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HARVARD UNIVERSITY
CATALOGUE.

1891-92.



CAMBRIDGE, MASS.
PUBLISHED BY THE UNIVERSITY.

For sale by CHAS. W. SEVER, Cambridge; DAMRELL & UPHAM,
283 Washington St., Boston; F. W. CHRISTERN,
254 Fifth Ave., New York.

1891.

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Su	Mo	Tu	W	Th	Fr	Sa	Su	Mo	Tu	W	Th	Fr	Sa	Su	Mo	Tu	W	Th	Fr	Sa
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12	13	14	15	16	17	18	10	11	12	13	14	15	16	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23	17	18	19	20	21	22	23
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20	21	22	23	24	25	26	13	14	15	16	17	18	19	11	12	13	14	15	16	17
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DECEMBER.							JUNE.							DECEMBER.						
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CALENDAR.

The meetings of the PRESIDENT AND FELLOWS are held on the second and on the last Monday of every month.

1891.

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|----------------------------|---|
| <i>Oct. 1, Thursday.</i> | Academic Year begins in all departments of the University. |
| <i>Oct. 14, Wednesday.</i> | Stated Meeting of the Board of Overseers. |
| <i>Nov. 26, Thursday.</i> | Thanksgiving day ; a holiday. |
| <i>Dec. 1, Tuesday.</i> | Last day for receiving applications for aid from the Loan Fund. |

RECESS FROM DEC. 23, 1891, TO JAN. 2, 1892, INCLUSIVE.

1892.

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| <i>Jan. 13, Wednesday.</i> | Stated Meeting of the Board of Overseers. |
| <i>Feb. 4, Thursday.</i> | Second half-year begins in the Medical School. |
| <i>Feb. 15, Monday.</i> | Second half-year begins (except in the Medical School). |
| <i>Feb. 22, Monday.</i> | Washington's Birthday ; a holiday. |
| <i>March 31, Thursday.</i> | Last day for receiving applications for all Graduate Fellowships and Scholarships, and for College Scholarships to be assigned to Graduate Students. |
| <i>March 31, Thursday.</i> | Last day for re-engaging College Rooms for 1892-93. |
| <i>April 1, Friday.</i> | Last day for receiving applications of candidates for Second-Year Honors. |

RECESS FROM THE WEDNESDAY BEFORE FAST DAY TO THE FOLLOWING TUESDAY INCLUSIVE.

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| <i>April 1, Friday.</i> | Last day for receiving dissertations for the Boylston Medical Prizes. |
| <i>April 13, Wednesday.</i> | Stated Meeting of the Board of Overseers. |
| <i>April 27, Wednesday.</i> | Last day for receiving names of competitors for the Boylston Prizes. |
| <i>April 30, Saturday.</i> | Applications from Graduate Students for admission to examination for any degree should be made before this date. See p. 248. |

- May 2, Monday.* Last day for receiving applications for Price Greenleaf Aid for 1892-93.
- May 2, Monday.* Last day for receiving dissertations for the Toppan, Dante, Sargent, and Sumner Prizes.
- May 2, Monday.* Last day for receiving theses of Candidates for the degree of Ph.D. or S.D. See p. 247.
- May 2, Monday.* Last day for receiving applications of Professional Students who wish to be candidates for the degree of A.M. with a professional degree.
- May 2, Monday.* Last day for receiving applications for College Rooms for 1892-93.
- May 2, Monday.* Assignment of College Rooms for 1892-93.
- May 12, Thursday.* Speaking for the Boylston Prizes.
- May 25, Wednesday.* Last day for receiving applications for College Scholarships, and for aid from the Beneficiary Fund.
- May 30, Monday.* Memorial Day; a holiday.
- June 1, Wednesday.* Examinations in the Medical School begin.
- June 6, Monday.* Examinations in the Dental School begin.
- June 24, Friday.* Seniors' Class Day.
- June 28 and 30, July 1 and 2, Tuesday to Saturday.* Examinations for admission to Harvard College, and to the Lawrence Scientific School.
- June 29, Wednesday.* **Commencement.** Stated Meeting of the Board of Overseers.

SUMMER VACATION OF THIRTEEN WEEKS, FROM COMMENCEMENT DAY TO SEPTEMBER 29.

- June 30, Thursday.* Examinations for admission to the Law and Medical Schools.
- July 6, Wednesday.* Summer courses in Chemistry, Physics, English, German, French, Anglo Saxon, Field Engineering, Geology, and Physical Training, open.
- Sept. 26, Monday.* Examinations in the Dental School begin.
- Sept. 22-24, 26, Thursday to Monday.* Examinations for admission to Harvard College, and to the Lawrence Scientific School.
- Sept. 26, Monday.* Examination for admission to the Medical School.

<i>Sept. 26, Monday.</i>	Examination for admission to the Dental School.
<i>Sept. 26, Monday.</i>	Examinations in the Medical School begin.
<i>Sept. 28, Wednesday.</i>	Annual Meeting of the Board of Overseers.
<i>Sept. 29, Thursday.</i>	Academic Year begins in all departments of the University.
<i>Sept. 29, Thursday.</i>	Examination for admission to the Law School.
<i>Sept. 29, 30, Thursday and Friday.</i>	Examination for admission to advanced standing in the Law School.
<i>Oct. 12, Wednesday.</i>	Stated Meeting of the Board of Overseers.
<i>Oct. 31, Monday.</i>	Last day for receiving applications of Candidates for Final Honors in 1893. See p. 174.
<i>Oct. 31, Monday.</i>	Last day for receiving dissertations for the Bowdoin and Chauncey Wright Prizes.
<i>Dec. 1, Thursday.</i>	Last day for receiving applications for aid from the Loan Fund.

 ABBREVIATIONS.

C. College House.	H'y. Holworthy Hall.
D. Divinity Hall.	M. Matthews Hall.
D. H. Divinity House.	S. Stoughton Hall.
F. Foxcroft House.	T. Thayer Hall.
G. Grays Hall.	W. Weld Hall.
H. Hollis Hall.	W. H. Walter Hastings Hall.
H'ke. Holyoke House.	

NOTE. — Dormitories within the College grounds are known as Halls; those outside the College grounds, but owned by the University, are called Houses; while others, the property of private owners, are called Blocks or Buildings.

ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

President: CHARLES W. ELIOT, LL.D.

Office, 5 University Hall, Cambridge.

Treasurer: EDWARD W. HOOPER, A.B., LL.B.

Deputy Treasurer: ALLEN DANFORTH, A.M.

The office of the Corporation (and Treasurer and Deputy Treasurer)
is at 50 State St., Boston. Office hours, 10 a.m. to 2 p.m.

Secretary: FRANK BOLLES, LL.B.

Office, 5 University Hall, Cambridge. Office hours, 9 a.m. to 6 p.m.
(from Aug. 1 to Sept. 15, 9 a.m. to 1 p.m.); Saturdays, 9 a.m. to
12 m.

Bursar: CHARLES F. MASON, A.B.

Office, Wadsworth House, Cambridge. Office hours, 9 a.m. to 1 p.m.

THE FACULTIES, THE COLLEGE, AND THE PROFESSIONAL SCHOOLS.

Dean of the Faculty of Arts and Sciences: CHARLES F. DUNBAR, LL.D.

Office, 10 University Hall, Cambridge. Office hours, Monday,
Wednesday, and Friday, 4 to 5 p.m.

Dean of Harvard College: LE BARON R. BRIGGS, A.M.

Office, 5 University Hall, Cambridge. Office hours, Monday, Wed-
nesday, and Friday, 3 to 5 p.m.

Regent of Harvard College: GEORGE A. BARTLETT.

Dean of the Lawrence Scientific School: NATHANIEL S. SHALER, S.D.

Office, 8 Lawrence Scientific School, Kirkland Street, Cambridge.

Dean of the Graduate School: J. M. PEIRCE, A.M.

Office, 5 University Hall, Cambridge.

Dean of the Divinity Faculty: C. C. EVERETT, D.D.

Office, 1 Divinity Library. Office hours, Monday, Wednesday, and
Friday, 12 m.; Tuesday, Thursday, and Saturday, 10 a.m.

Dean of the Law Faculty: C. C. LANGDELL, LL.D.

Office, Austin Hall, Cambridge.

Dean of the Medical Faculty: HENRY P. BOWDITCH, A.M., M.D.

Secretary of the Medical Faculty: CHARLES P. WORCESTER, A.B., M.D.

The offices of the Dean and Secretary of the Medical Faculty are at
the Medical School, corner of Boylston and Exeter Streets, Boston.
Office hours, 12 to 1 p.m., except Saturdays.

Dean of the Dental Faculty : THOMAS H. CHANDLER, A.M., D.M.D.

The Dental School is on North Grove Street, Boston. The office of the Dean is at 161 Newbury Street, Boston. Office hours, 9 a.m. to 4 p.m.

Dean of the School of Veterinary Medicine : CHARLES P. LYMAN, F.R.C.V.S.

Office at the Veterinary Hospital, 50 Village Street, Boston.

Dean of the Bussey Institution : FRANCIS H. STORER, S.B., A.M.

The Bussey Institution is in Jamaica Plain. The nearest railway and telegraph station is Forest Hills, on the Old Colony Railroad.

COLLECTIONS AND LABORATORIES.

Librarian of the University : JUSTIN WINSOR, LL.D.

Office, Gore Hall, Cambridge.

Librarian of the Law School : JOHN H. ARNOLD.

Office, Austin Hall, Cambridge.

Librarian of the Divinity School : ROBERT S. MORISON, A.M., D.B.

Office, Divinity Library,

Director of the Chemical Laboratory : J. P. COOKE, LL.D.

The Chemical Laboratory is in Boylston Hall, Cambridge.

Director of the Jefferson Physical Laboratory : JOHN TROWBRIDGE, S.D.

The Jefferson Physical Laboratory is on Holmes Field, Cambridge.

Director of the Astronomical Observatory : E. C. PICKERING, LL.D.

The Observatory is at the corner of Garden and Bond Streets, Cambridge.

Curator of the Museum of Comparative Zoölogy : ALEX. AGASSIZ, LL.D.

Curator of the Semitic Museum : DAVID G. LYON, PH.D.

Curator of the Peabody Museum of Archaeology and Ethnology : FREDERICK W. PUTNAM, A.M.

The Museums are on Oxford Street and Divinity Avenue, Cambridge.

Curator of the Herbarium : SERENO WATSON, PH.D.

Director of the Botanic Garden : GEORGE L. GOODALE, M.D.

The Herbarium and Botanic Garden are at the corner of Garden and Linnaean Streets, Cambridge.

Director of the Arnold Arboretum : CHARLES S. SARGENT, A.B.

The Arnold Arboretum is in Jamaica Plain. The nearest railway and telegraph station is Forest Hills, on the Old Colony Railroad.

Superintendent of the Bussey Farm : EDMUND HERSEY.

The post office address and residence of the Farm Superintendent is at Hingham.

THE GOVERNMENT OF THE UNIVERSITY.

HARVARD COLLEGE was founded in 1636, by a vote passed at an adjourned meeting (October 28, Old Style) of the General Court of the Colony of Massachusetts Bay which convened on September 8th of that year.

The language of the vote was as follows :—

“The Court agree to give Four Hundred Pounds towards a *School* or *College*, whereof Two Hundred Pounds shall be paid the next year, and Two Hundred Pounds when the work is finished, and the next Court to appoint where and what building.”

The ensuing year (1637) the General Court appointed twelve of the most eminent men of the colony (among whom were John Cotton and John Winthrop) “to take order for a college at Newtown.” The name, “Newtown,” was soon afterwards changed by the General Court to *Cambridge*, in recognition of the English University where many of the colonists had been educated.

The following year (1638) John Harvard, a non-conforming clergyman of England, who had been in the colony about one year, died at Charlestown, leaving half of his whole property and his entire library (about 300 volumes) to the institution. The value of this bequest was more than double the entire sum originally voted by the Court, and it was resolved to open the College at once, and to give it the name of *Harvard*. The first class was formed in the same year.

In 1642, during the administration of the first President, Henry Dunster, the general government of the College and the management of its funds were placed in the hands of a *Board of Overseers* established and empowered by the following Act of the General Court :—

“THE ACT

“ESTABLISHING THE OVERSEERS OF HARVARD COLLEGE.

“At a General Court held at Boston on the 8th of September, in the Year 1642.

“WHEREAS, through the good hand of God upon us, there is a College founded in Cambridge, in the county of Middlesex, called HARVARD COLLEGE, for the encouragement whereof this Court has given the sum of four hundred pounds, and also the revenue of the ferry betwixt Charlestown and Boston, and that the well ordering and managing of the said College is of great concernment, —

"It is therefore ordered by this Court and the authority thereof, that the Governor and Deputy-Governor for the time being, and all the magistrates of this jurisdiction, together with the teaching elders of the six next adjoining towns, — viz. Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, — and the President of the said College for the time being, shall, from time to time, have full power and authority to make and establish all such orders, statutes, and constitutions as they shall see necessary for the instituting, guiding, and furthering of the said College and the several members thereof, from time to time, in piety, morality, and learning; as also to dispose, order, and manage, to the use and behoof of the said College and the members thereof, all gifts, legacies, bequeaths, revenues, lands, and donations, as either have been, are, or shall be conferred, bestowed, or any ways shall fall or come to the said College.

"And whereas it may come to pass that many of the said magistrates and elders may be absent, or otherwise employed in other weighty affairs, when the said College may need their present help and counsel, — it is therefore ordered, that the greater number of magistrates and elders which shall be present, with the President, shall have the power of the whole. *Provided*, that if any constitution, order, or orders, by them made, shall be found hurtful unto the said College, or the members thereof, or to the weal public, then, upon appeal of the party or parties grieved unto the company of Overseers first mentioned, they shall repeal the said order or orders, if they shall see cause, at their next meeting, or stand accountable thereof to the next General Court."*

The Board of Overseers appears to have been found too large a body to have the immediate direction of the College, and in 1650, through the efforts of President Dunster and others, a charter was granted to the College by the General Court, by which the College was made a *Corporation*, consisting of the President, five Fellows, and a Treasurer, or Bursar, to have perpetual succession by the election of members to supply vacancies, and to be called by the name of the *President and Fellows of Harvard College*. The powers conferred by this Act were accompanied with a provision which required that all Orders and By-Laws of the Corporation should have the consent of the Overseers before they went into operation. This provision was found inconvenient and embarrassing in practice, and in 1657 a law was passed, called "An Appendix to the College Charter," by which the acts of the Corporation were declared to have immediate force and effect, and to be merely "alterable" by the Overseers, to whom the Corporation was to be "responsible."

* This Act is copied from "The General Laws of the Massachusetts Colony, revised and published by order of the General Court in October, 1658"; which was the second edition of the Laws of the Colony, and was printed in 1660. It varies slightly in phraseology from the Act contained in the Records of the General Court, Vol. II. page 24.

The text of the College Charter, and of the Appendix to the same, is as follows:—

“THE CHARTER

OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE, UNDER THE SEAL OF THE COLONY OF MASSACHUSETTS BAY, AND BEARING DATE MAY 31, A.D. 1650.

“Whereas, through the good hand of God, many well-devoted persons have been, and daily are, moved and stirred up to give and bestow sundry gifts, legacies, lands, and revenues, for the advancement of all good literature, arts, and sciences, in HARVARD COLLEGE, in Cambridge, in the county of Middlesex, and to the maintenance of the President and Fellows, and for all accommodations of buildings, and all other necessary provisions that may conduce to the education of the English and Indian youth of this country in knowledge and godliness,—

“It is therefore ordered and enacted by this Court and the authority thereof, that for the furthering of so good a work, and for the purposes aforesaid, from henceforth that the said College in Cambridge, in Middlesex, in New England, shall be a Corporation, consisting of seven persons, to wit, a President, five Fellows, and a Treasurer or Bursar; and that HENRY DUNSTER shall be the first President, SAMUEL MATHER, SAMUEL DANFORTH, Masters of Art, JONATHAN MITCHELL, COMFORT STARR, and SAMUEL EATON, Bachelors of Art, shall be the five Fellows, and THOMAS DANFORTH to be present Treasurer, all of them being inhabitants in the Bay, and shall be the first seven persons of which the said Corporation shall consist; and that the said seven persons, or the greater number of them, procuring the presence of the Overseers of the College, and by their counsel and consent, shall have power, and are hereby authorized, at any time or times, to elect a new President, Fellows, or Treasurer, so oft, and from time to time, as any of the said person or persons shall die or be removed; which said President and Fellows for the time being shall forever hereafter, in name and fact, be one body politic and corporate in law, to all intents and purposes, and shall have perpetual succession, and shall be called by the name of *President and Fellows of Harvard College*, and shall from time to time be eligible as aforesaid; and, by that name, they and their successors shall and may purchase and acquire to themselves, or take and receive upon free gift and donation, any lands, tenements, or hereditaments, within this jurisdiction of the Massachusetts, not exceeding the value of five hundred pounds per annum, and any goods and sums of money whatsoever to the use and behoof of the said President, Fellows, and scholars of the said College; and also may sue and plead, or be sued and impleaded, by the name aforesaid, in all courts and places of judicature within the jurisdiction aforesaid.

“And that the said President, with any three of the Fellows, shall have power, and are hereby authorized, when they shall think fit, to make and appoint a common seal for the use of the said Corporation. And the President and Fellows, or the major part of them, from time to time, may meet and choose such officers and servants for the College, and make such allowance to them, and them also to remove, and, after death or removal, to choose such others, and to make from time to time such orders and by-laws, for the better ordering and carrying on the work of the College, as they shall think fit; *provided* the said orders be allowed by the Overseers. And also that the President and Fellows, or major part of them, with the Treasurer, shall have power to make conclusive bargains for lands and tenements, to be purchased by the said Corporation for valuable considerations.

“And, for the better ordering of the government of the said College and Corporation,—Be it enacted by the authority aforesaid, that the President and three more of the Fellows shall and may from time to time, upon due warning or notice given by the President to the rest, hold a meeting for the debating and concluding of affairs concerning the profits and revenues of any lands, and disposing of their goods (provided that all the said disposings be according to the will of the donors), and for direction in all emergent occasions, execution of all orders and by-laws, and for the procuring of a general meeting of all the Overseers and Society, in great and difficult cases, and in cases of non-agreement; in all which cases aforesaid, the conclusion shall be made by the major part, the said President having a casting voice, the Overseers consenting thereunto. And that all the aforesaid transactions shall tend to and for the use and behoof of the President, Fellows, scholars, and officers of the said College, and for all accommodations of buildings, books, and all other necessary provisions and furnitures as may be for the advancement and education of youth in all manner of good literature, arts, and sciences.

“And, further, be it ordered by this Court and the authority thereof, that all the lands, tenements, or hereditaments, houses, or revenues, within this jurisdiction, to the aforesaid President or College appertaining, not exceeding the value of five hundred pounds per annum, shall from henceforth be freed from all civil impositions, taxes, and rates; all goods to the said Corporation, or to any scholars thereof, appertaining, shall be exempted from all manner of toll, customs, and excise whatsoever; and that the said President, Fellows, and scholars, together with the servants, and other necessary officers to the said President or College appertaining, not exceeding ten,—viz. three to the President and seven to the College belonging,—shall be exempted from all personal civil offices, military exercises or services, watchings and wardings; and such of their estates, not exceeding one hundred pounds a man, shall be free from all country taxes or rates whatsoever, and none others.

"In witness whereof, the Court hath caused the seal of the Colony to be hereunto affixed. Dated the one and thirtieth day of the third month, called May, anno 1650.

"[L. s.]

THO: DUDLEY, *Governor.*" *

"AN APPENDIX TO THE COLLEGE CHARTER, GRANTED BY AN ACT OF THE GENERAL COURT OF THE COLONY, PASSED A.D. 1657.

"*At a General Court held at Boston, the 14th of October, 1657.*

"In answer to certain proposals presented to this Court by the Overseers of HARVARD COLLEGE, as an appendix to the College Charter, it is ordered, —

"The Corporation shall have power, from time to time, to make such orders and by-laws, for the better ordering, and carrying-on of the work of the College, as they shall see cause, without dependence upon the consent of the Overseers foregoing. *Provided always*, that the Corporation shall be responsible unto, and those orders and by-laws shall be alterable by, the Overseers, according to their discretion.

"And when the Corporation shall hold a meeting, and agreeing with college servants, for making of orders and by-laws, for debating and concluding of affairs concerning the profits and revenues of any lands or gifts, and the disposing thereof (provided that all the said disposals be according to the will of the donors), for managing of all emergent occasions, for the procuring of a general meeting of the Overseers and Society in great and difficult cases, and in cases of non-agreement, and for all other college affairs to them pertaining, — in all these cases the conclusion shall be valid, being made by the major part of the Corporation, the President having a casting vote. *Provided always*, that, in these things also, they be responsible to the Overseers as aforesaid.

"And in case the Corporation shall see cause to call a meeting of the Overseers, or the Overseers shall think good to meet of themselves, it shall be sufficient unto the validity of college acts, that notice be given to the Overseers in the six towns mentioned in the printed law anno 1642, when the rest of the Overseers, by reason of the remoteness of their habitations, cannot conveniently be acquainted therewith." †

The Corporation and the Board of Overseers remain to the present time the governing powers of the University; and this charter with its appendix is now in force precisely as first drafted, notwithstanding that several attempts were made, during the first fifty years of its existence, to alter it

* The above is a copy of the original Charter, engrossed on parchment, under the signature of Governor Dudley, with the Colony seal appendant, in the custody of the President and Fellows of Harvard College. The Charter, varying slightly in phraseology, is also contained in the Records of the General Court, Vol. IV. page 10.

† This act is taken from the Records of the General Court, Vol. IV. page 265.

or to substitute another in its place. Several new charters which would have essentially changed the organization of the College passed both branches of the Colonial Legislature, but failed to receive the sanction of the King or Governor, and none of the proposed changes ever actually went into operation. The last attempt to obtain a new college charter from the Crown was in 1700, when a draft of a charter was prepared "to be solicited for to his Majesty," which passed both branches of the Legislature, but was never presented to the King.

After the constitution of the College had been for a number of years in this unsettled condition, the General Court in 1707 passed the following vote, reasserting the integrity and force of the Charter of 1650, and it remains "the venerable source of collegiate authority" to this day.

"EXTRACT FROM A RESOLVE OF THE PROVINCIAL GENERAL COURT, PASSED A.D. 1707, DECLARING THE COLLEGE CHARTER OF 1650 NOT REPEALED, AND DIRECTING THE PRESIDENT AND FELLOWS OF THE COLLEGE TO EXERCISE THE POWERS GRANTED BY IT.

"At a Great and General Court for her Majesty's Province of the Massachusetts Bay, begun and held at Boston upon the 28th of May, 1707, and continued by several prorogations unto the 29th of October following, being the third session.

"IN COUNCIL.

"Thursday, December 4, 1707.

"And inasmuch as the first foundation and establishment of that House [Harvard College, in Cambridge], and the government thereof, had its original from an act of the General Court, made and passed in the year 1650, which has not been repealed or nulled, — the President and Fellows of the said College are directed, from time to time, to regulate themselves according to the rules of the Constitution by the said Act prescribed, and to exercise the powers and authorities thereby granted for the government of that House, and the support thereof.

"Saturday, December 6, 1707.

"The Representatives returned the Vote passed in Council, the 4th current, referring to the College, with their concurrence thereunto.

"By his Excellency the Governor, consented to,

"JOSEPH DUDLEY.*"

In 1780, when a Constitution was framed for the new Commonwealth of Massachusetts, the following Articles were introduced, securing to the President and Fellows of Harvard College the perpetual enjoyment of all their vested rights and powers, and providing for the organization of the Board of Overseers.

* This resolve is taken from the Records of the General Court, Vol. VIII. page 344.

"THE ARTICLES OF THE CONSTITUTION OF THE COMMONWEALTH OF MASSACHUSETTS, CONFIRMING AND SECURING TO HARVARD COLLEGE THE PERPETUAL POSSESSION AND ENJOYMENT OF ALL ITS ESTATES, RIGHTS, POWERS, AND PRIVILEGES.

"CHAPTER V.

"SECT. I. — *The University.*

"ARTICLE 1. — Whereas our wise and pious ancestors, so early as the year one thousand six hundred and thirty-six, laid the foundation of HARVARD COLLEGE, in which University many persons of great eminence have, by the blessing of God, been initiated in those arts and sciences which qualified them for public employments both in Church and State; and whereas the encouragement of arts and sciences and all good literature tends to the honor of God, the advantage of the Christian religion, and the great benefit of this and the other United States of America, — It is declared that the *President and Fellows of Harvard College* in their corporate capacity, and their successors in that capacity, their officers and servants, shall have, hold, use, exercise, and enjoy all the powers, authorities, rights, liberties, privileges, immunities, and franchises which they now have, or are entitled to have, hold, use, exercise, and enjoy; and the same are hereby ratified and confirmed unto them, the said President and Fellows of Harvard College, and to their successors, and to their officers and servants respectively, for ever.

"ART. 2. — And whereas there have been at sundry times, by divers persons, gifts, grants, devises of houses, lands, tenements, goods, chattels, legacies, and conveyances, heretofore made either to Harvard College, in Cambridge, in New England, or to the President and Fellows of Harvard College, or to the said College by some other description, under several charters successively, — It is declared that all the said gifts, grants, devises, legacies, and conveyances are hereby for ever confirmed unto the President and Fellows of Harvard College, and to their successors in the capacity aforesaid, according to the true intent and meaning of the donor or donors, grantor or grantors, devisor or devisors.

"ART. 3. — And whereas, by an Act of the General Court of the Colony of Massachusetts Bay, passed in the year one thousand six hundred and forty-two, the Governor and Deputy-Governor for the time being, and all the magistrates of that jurisdiction, were with the President, and a number of the clergy in the said Act described, constituted the Overseers of Harvard College; and it being necessary, in this new Constitution of government, to ascertain who shall be deemed successors to the said Governor, Deputy-Governor, and magistrates, — It is declared that the Governor, Lieutenant-Governor, Council, and Senate of this Commonwealth are and shall be deemed their successors; who with the President of Harvard College for

the time being, together with the ministers of the Congregational churches in the towns of Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, mentioned in the said Act, shall be, and hereby are, vested with all the powers and authority belonging or in any way appertaining to the Overseers of Harvard College. *Provided*, that nothing herein shall be construed to prevent the Legislature of this Commonwealth from making such alterations in the government of the said University as shall be conducive to its advantage, and the interests of the republic of letters, in as full a manner as might have been done by the Legislature of the late Province of the Massachusetts Bay."

On February 12, 1814, the Senate and House of Representatives of the State of Massachusetts passed the following Act, relating to the Power of the President and Fellows of Harvard College of holding Real Estate:—

"AN ACT

TO ENLARGE THE POWER OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE OF HOLDING REAL ESTATE.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same:

That the President and Fellows of Harvard College and their successors in office, be and they are hereby authorized to purchase, accept, take and hold lands, tenements and hereditaments within this Commonwealth to the clear yearly value of twelve thousand dollars, in addition to what they now are by law authorized to hold, and in addition to the public buildings of said University occupied by the students and for other public purposes."

Passed 12th February, 1814.

The previous limitations on the power of the President and Fellows to accept and hold real estate were removed March 13, 1889, by the following Act of the Senate and House of Representatives of Massachusetts:—

"AN ACT

TO ENLARGE THE POWER OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE TO HOLD TAXABLE REAL ESTATE.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

SECT. 1. The President and Fellows of Harvard College may accept, take and hold, and may sell at their discretion, unless expressly forbidden by the terms of gift, any real estate within or without this Commonwealth which has been or may hereafter be given or devised to them for

educational purposes; and they may, from time to time, invest any portion of the property held by them, as they may think judicious, in productive real estate within the Commonwealth, and may sell any such estate at their discretion: *provided, however*, that nothing herein contained shall be construed to give the said corporation any claim to greater exemption from taxation than it now has under the constitution and laws of this Commonwealth.

SECT. 2. This Act shall take effect upon its passage."

Approved March 13, 1889.

It remains to notice certain changes in the constitution of the Board of Overseers, relating to eligibility to office, mode of appointment or election, and the connection between the College and the Commonwealth.

The first important change occurred in the year 1810. Under the Act of 1642 and the clauses of the State Constitution of 1780, the Board was composed of the Governor, Lieutenant-Governor, Council, and Senate of Massachusetts, and the Congregational ministers of certain specified towns. In the early days of the College this enumeration included almost all the educated men of the Colony; but in the course of time other classes rose to power and influence, and it became desirable that the Overseers should be able to place among their number other persons eminently qualified for such a position, and that the right to a seat at the Board should be no longer incidental and casual, but be made elective and permanent. Many of the members of the Senate also desired to be relieved of their duties towards the College.* Accordingly in March, 1810, an Act was passed by the State Legislature entitled "An Act to alter and amend the Constitution of the Board of Overseers of Harvard College," and consisting of six sections. By the first it is enacted that "The Governor, Lieutenant-Governor, Counsellors, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, and the President of Harvard College for the time being, with fifteen ministers of Congregational churches and fifteen laymen, all inhabitants within the State, to be elected as is hereafter mentioned, shall for ever hereafter constitute the Board of Overseers of Harvard College."

The second and fifth sections provide for the election of the ministers and laymen, the said elections being made by the ballots of the major part of the Overseers present at a legal meeting.

The third section relates to the choice and duties of a Secretary, the time and manner of meeting, and the duty of presiding at the meetings.

The fourth section specifies when the seat of a minister or of a member shall become vacant, and confers the power of removal from office in certain cases.

* See Quincy's *History of Harvard University*, ii. 294.

The sixth and last section is as follows:—

“This Act shall be in force when the Overseers of Harvard College, as heretofore constituted, and the President and Fellows of Harvard College, shall agree to accept the provisions in this Act contained.”

The principle that the Commonwealth could not change the constitution of the College, without the consent of the Corporation and Overseers, was thus distinctly recognized; and the chartered rights of the College were respected and maintained, at the same time that a more efficient organization was established for the Board of Overseers.

The provisions of this Act were accepted by the President and Fellows on the 16th of March, 1810; and by the Overseers on the 12th of April, in the same year.

In 1812, the Legislature, in direct opposition to a memorial from the Corporation, and without making any provision for the consent of the Corporation or Overseers, repealed this Act, and restored the former organization of the Board; but in 1814, the Act of 1812 was itself repealed, and that of 1810 re-enacted with the addition that the Senate of the Commonwealth should in future form part of the Board of Overseers. This Act also contained the provision that it should not take effect until it was accepted by the Overseers and by the President and Fellows of Harvard College. The Act was accepted by both Boards in March of the same year.

Until 1834, clergymen, to be eligible to the Board of Overseers, must be Congregationalists; but an Act was passed by the Legislature of that year opening the Board to clergymen of all denominations,—the Act to take effect whenever accepted by both branches of the College government. It was accepted by them in 1843.

Another Act, “to change the organization of the Board of Overseers,” was passed in 1851. It made the Board to consist of,—

“The Governor, Lieutenant-Governor, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, the Secretary of the Board of Education, and the President and Treasurer of Harvard College, for the time being, together with thirty other persons, as hereinafter defined and described, and no others.”

The Act also divided the Board into six equal classes, to be elected and to go out of office in rotation, as described in the following sections:—

“SECT. 3. — The thirty persons, who, in addition to the *ex-officio* members thereof, now constitute the Board of Overseers, shall be divided into three classes of ten each, by lot or otherwise, as they themselves may determine; and the persons of the first class shall go out of office on the day of the next annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives of the Commonwealth, assembled in one room; and the persons of the second class shall

go out of office on the day of the annual meeting of the General Court, which will be in the year one thousand eight hundred and fifty-three, and their places be supplied in like manner by joint ballot of the Senators and Representatives; and the persons of the third class shall go out of office on the day of the annual meeting of the General Court, which will be in the year one thousand eight hundred and fifty-four, and their places be supplied in like manner by joint ballot of the Senators and Representatives. *Provided* that the persons of each of the said outgoing classes shall continue in office for two months after the day of the said annual meeting of the General Court, unless their successors shall have been sooner chosen by the Senators and Representatives.

"SECT. 4. — When the Board of Overseers shall have been wholly renewed in the manner prescribed in the foregoing section, the members thereof shall be divided into six equal classes, by subdivision of the previous classes into two each, according to lot or otherwise, as the Board may determine, and having regard to seniority of service among the said previous classes in arranging the order of precedence of the new series; and the said six classes shall thereafter go out of office in rotation, and in order of precedence as thus defined, one at each successive annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives.

"SECT. 7. — No member of the General Court which elects shall be eligible to a place in the said Board of Overseers; and no person shall be re-eligible for more than one term immediately succeeding that for which he shall have been first elected."

This Act was not to go into effect until "the Board of Overseers, as heretofore constituted, and the President and Fellows of Harvard College respectively, at meetings held for that purpose during the present session of the General Court, shall by vote have assented to the same." The two Boards concurred as required.

Meanwhile an opinion was everywhere gaining ground that it would be better for the community and the interests of learning, as well as for the University, if the power to elect the Overseers were transferred from the Legislature to the graduates of the College. A bill to this effect was introduced into the Senate in 1854, which passed through most of the preliminary stages, but failed to be enacted; partly, as it was thought at the time, from the pressure of business at the close of the session. The purpose was finally carried out in 1865, by the passage of the following Act in relation to the Board of Overseers of Harvard College:—

"AN ACT

IN RELATION TO THE BOARD OF OVERSEERS OF HARVARD COLLEGE.

"SECTION 1. — The places of the successive classes in the Board of Overseers of Harvard College, and the vacancies in such classes, shall hereafter be annually supplied by ballot of such persons as have received from the College a degree of Bachelor of Arts, or Master of Arts, or any honorary degree, voting on Commencement Day in the city of Cambridge; such election to be first held in the year eighteen hundred and sixty-six; *provided, however*, that no member of the Corporation, and no officer of government or instruction in said College, shall be eligible as an Overseer, or entitled to vote in the election of Overseers; and *provided, further*, that no person who has received from said College the degree of Bachelor of Arts shall be entitled to vote for Overseers before the fifth annual election after the graduation of his class.

"SECT. 2. — The Board of Overseers shall annually appoint one principal and two or more assistant-inspectors of polls, who shall, on Commencement Day, from the hour of ten in the forenoon to the hour of four in the afternoon, at some place in said city of Cambridge, fixed by said Board, receive the votes for Overseers, and they shall sort and count such votes, and make public declaration thereof, after the closing of the polls; and said inspectors shall be provided with a complete list of the persons qualified to vote at such election, and no person shall vote until the inspectors find and check his name upon such list. The names of the persons voted for, the number of votes received for each person, and the vacancy or place in said Board for which he is proposed, shall be entered in words at length, by said inspectors, upon a record kept by them for that purpose, which shall, after such election, be forthwith made up, signed, and delivered by them to the Board of Overseers. The persons who shall receive the highest number of votes for the places or vacancies in said Board shall, to the number of Overseers to be elected, be deemed and shall be declared by said Board elected to be members thereof.

"SECT. 3. — The Board of Overseers shall give notice of the place of the polls, the hours during which they are open, and the number of Overseers to be elected, by publishing the same at least ten days before Commencement Day in some newspaper printed in the city of Boston.

"SECT. 4. — The terms of office of the existing classes of Overseers are extended to the close of Commencement Day of the year in which such terms severally expire; the terms of office of the classes hereafter elected shall successively expire at the close of Commencement Day each year in their order; and the persons elected Overseers on any Commencement Day shall supply the places of the class of Overseers which goes out of office at the close of that day, and the vacancies then existing in said Board.

"SECT. 5. — Whenever there shall be a failure on Commencement Day to supply any places or vacancies in the Board of Overseers, the same may be filled by vote of the remaining Overseers; and any person elected to fill a vacancy shall be deemed to be a member of and to go out of office with the class to which his predecessor belonged.

"SECT. 6. — The Governor, Lieutenant-Governor, President of the Senate, Speaker of the House of Representatives, and Secretary of the Board of Education shall not be *ex-officio* members of the Board of Overseers of Harvard College after this Act shall be in force.

"SECT. 7. — This Act shall be in force when the Board of Overseers and the President and Fellows of Harvard College, respectively, at meetings held for that purpose, shall by vote have assented to the same.

"SECT. 8. — This Act shall not be construed as in the nature of a contract or a charter, but may at any time be repealed at the pleasure of the Legislature." [April 28, 1865.]

This Act, having been duly assented to by the Overseers on the 21st of September, 1865, and by the President and Fellows on the 15th of December of the same year, is now the law.

In the Act of 1810 it is specified that the members of the Board of Overseers shall be "all inhabitants within the State." This restriction was removed by the following Act in 1880:—

"AN ACT

TO PROVIDE FOR THE ELIGIBILITY OF PERSONS NOT INHABITANTS OF THIS COMMONWEALTH AS OVERSEERS OF HARVARD COLLEGE.

"SECTION I. — Persons not inhabitants of this Commonwealth and otherwise qualified shall be eligible as Overseers of Harvard College.

"SECTION II. — This Act shall take effect on its acceptance by the President and Fellows and by the Board of Overseers of Harvard College, respectively, at meetings held for that purpose." [March 5, 1880.]

This Act was accepted by the President and Fellows on May 31, 1880, and by the Overseers on June 2, 1880.

The method of election of Overseers of Harvard College, described in Section 2 of the Act of 1865, was amended by the following Act in 1889:—

"AN ACT

TO AMEND CHAPTER 173 OF THE ACTS OF THE YEAR 1865 IN RELATION TO THE BOARD OF OVERSEERS OF HARVARD COLLEGE.

Be it enacted, etc., as follows:

SECT. 1. Section 2 of Chapter 173 of the Acts of the year 1865 is

amended by striking out all of said section after the word "list" in the eleventh line thereof, and by inserting in place thereof the following: The names of the persons voted for, and the number of votes received for each person, shall be entered in words at length by said inspectors upon a record kept by them for that purpose, which shall, after such election, be forthwith made up, signed and delivered by them to the Board of Overseers. The persons who shall receive the highest number of votes for the places in said board shall, to the number of overseers to be elected, be deemed and declared by said board elected to be members thereof for the following terms, to wit: The five persons receiving the highest number of votes shall be declared elected to the class having the longest term, and in case any vacancy or vacancies exist in any other class or classes, the person voted for shall be declared elected to such vacancy or vacancies according to the number of votes received by them, the person or persons receiving the next highest number of votes being declared elected to the class having the next longest term to run, and so on in order for other vacancies. In case, by reason of a tie, it should be uncertain to which class any persons should be declared elected, the Board of Overseers shall by vote determine to which classes the persons receiving the same number of votes shall be assigned.

SECT. 2. This Act shall take effect upon its passage."

This Act was approved March 19, 1865.

STATUTES OF THE UNIVERSITY.

1. **THE UNIVERSITY.** Harvard University comprehends the following departments: Harvard College, the Lawrence Scientific School, the Graduate School, the Divinity School, the Law School, the Medical School, the Dental School, the School of Veterinary Medicine, the Bussey Institution (a School of Agriculture), the University Library, the Museum of Comparative Zoölogy, the University Museum, the Botanic Garden, the Herbarium, and the Astronomical Observatory. The Peabody Museum of American Archaeology and Ethnology is a constituent part of the University; but its relations to the University are affected by peculiar provisions.

2. **PRESIDENT.** It is the duty of the President of the University to call meetings of the Corporation, and preside at the same; to act as the ordinary medium of communication between the Corporation and the Overseers, and between the Corporation and the Faculties; to make an annual report to the Overseers on the general condition of the University; to preside on public academic days; to preside over the several Faculties; to direct the official correspondence of the University; to acquaint himself with the state, interests, and wants of the whole institution; and to exercise a general superintendence over all its concerns. For the better discharge of these duties, he must live in Cambridge.

8. **TREASURER.** The Treasurer has the custody of all the property of the University. He is required to submit his accounts, and all evidences of the property under his charge, to the committees of inspection appointed by the Corporation and Overseers severally, and to make annually to the Overseers a statement of the receipts and expenditures of the University.

The Treasurer of the College may from time to time, and for periods of time while he holds the office, nominate a Deputy Treasurer, who, if appointed by the Corporation, and confirmed by the Overseers, shall have such of the powers and perform such of the duties of the Treasurer as the Corporation shall think fit, except the powers and duties of the Treasurer as a member of the Corporation, and of the Board of Overseers. A Deputy Treasurer shall receive such portion of the Treasurer's salary as the Corporation shall approve, and the Treasurer and Deputy Treasurer shall give to the Corporation their joint and several bond in the sum of one hundred thousand dollars for the faithful performance of his duties by the Deputy Treasurer.

The Bursar and the Superintendent of Buildings are under the direction of the Treasurer, and are his agents in Cambridge.

All officers who are intrusted with property belonging to the University are required to keep inventories of the same, which are subject to the inspection of the Treasurer; and to have all such property designated as University property by suitable marks.

4. **TENURES OF OFFICE.** In all departments of the University, professorships are held without express limitation of time. Assistant professorships are held for five years, and tutorships for not more than three years. At the end of the term of an assistant professor or tutor, his connection with the University ceases, unless he be reappointed. Lecturers are appointed for not more than one year. Instructors are appointed for such terms as convenience may require. Tutors and instructors are responsible, in regard to their subjects and methods of teaching, to the professors in their respective branches of study. Proctors are appointed to assist the Faculties in the conduct of examinations, and in the preservation of order within the University precincts. All officers of instruction and government are subject to removal for inadequate performance of duty, or for misconduct.

5. **UNIVERSITY COUNCIL.** The University Council consists of the President, Professors, and Assistant Professors of the University and such other University officials as the Corporation with the consent of the Overseers may appoint members of the Council. It is the function of the Council to consider questions which concern more than one Faculty, and questions of University policy.

6. **FACULTIES.** Harvard College, the Lawrence Scientific School, and the Graduate School are together under the immediate charge of a Faculty, — the Faculty of Arts and Sciences. The other Schools of the University are each under the immediate charge of a Faculty. Each Faculty is composed of all the Professors, Assistant Professors and Tutors, and of all the Instructors appointed for a term longer than one year, who teach in the department or departments under the charge of that Faculty. The President is a member of each Faculty.

A Faculty may, at its discretion, delegate any of its powers relating to ordinary matters of administration and discipline, except the power to inflict the penalties of dismissal and expulsion, to Administrative Boards, nominated from among its members by the President, and appointed by the Corporation with the consent of the Overseers. Every such Board shall be subject to the authority of the Faculty from which it is appointed. Any Administrative Board established for Harvard College shall consist of not less than fifteen members.

7. **DEANS.** Each Faculty has a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of the

Faculty. Harvard College, the Lawrence Scientific School, and the Graduate School also have each a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of the Faculty of Arts and Sciences. Each Dean is the chief executive officer of his Faculty, College, or School, is responsible for the proper preparation and conduct of its business, and makes an annual report to the President.

8. ACADEMIC YEAR. The Academic year begins on the Thursday following the last Wednesday in September. The annual Commencement is held on the last Wednesday in June. The vacation begins at Commencement and ends on the last Wednesday in September. The Christmas recess begins on the 23d of December, and ends on the 2d of January. The Spring recess begins on the Wednesday before Fast Day, and ends on the Tuesday after Fast Day. The twenty-second day of February, the thirtieth day of May, and Thanksgiving day are holidays.

9. DEGREES. The ordinary degrees of Bachelor of Arts, Bachelor of Science, Master of Arts, Civil Engineer, Doctor of Philosophy, Doctor of Science, Bachelor of Divinity, Bachelor of Laws, Doctor of Medicine, Doctor of Dental Medicine, Doctor of Veterinary Medicine, and Bachelor of Agricultural Science are conferred, after recommendation by the several Faculties, by vote of the Corporation, with the consent of the Overseers. It is required that no candidate for the ordinary degrees be recommended, except after thorough public examination, and a residence at the University of at least one year. There are four grades of the degree of Bachelor of Arts, two grades of the Degree of Bachelor of Laws, and three grades of the degree of Bachelor of Science. Honorary degrees are conferred by vote of the Corporation, with the consent of the Overseers. The degrees conferred by the University are announced at Commencement.

10. STUDENTS NOT CANDIDATES FOR A DEGREE. Persons who are not candidates for a degree may be admitted to any of the courses of instruction given in the University, provided that they satisfy the appropriate Faculty of their fitness to pursue the particular courses which they elect. The several Faculties have the right to deprive any such student of his privileges, if he abuse or fail to use them.

11. BONDS AND REGISTRATION. Every student must, on his admission to any department of the University, give a bond to the Treasurer or the Bursar, in such a sum as shall from time to time be determined by the Corporation, for the payment of his dues to the University; or he must make payment in advance, or secure payment by a deposit. He must then enter his name, and such other particulars as may be required by the several Faculties, respectively, with the Dean of his Faculty.

12. **DISCIPLINE.** The several Faculties have authority to impose fines and levy assessments for damage done to property; to inflict, at their discretion, the penalties of admonition, suspension, dismission, and expulsion; and to use all other appropriate means of discipline; but no student shall be dismissed or expelled from the University except by a vote of at least two thirds of the members of his Faculty present and voting thereon. Suspension is a separation from the University for a fixed period of time. It may be accompanied with a requirement of residence in a specified place, and of the performance of specified tasks. Dismission closes a student's connection with the University, without necessarily precluding his return. Expulsion is the highest academic censure, and is a final separation from the University.

STATUTES AFFECTING THE SEVERAL DEPARTMENTS OF THE UNIVERSITY.

THE COLLEGE.

13. **PARIETAL COMMITTEE.** The proctors and the officers of instruction who reside within the college walls, or in buildings to which the superintendence of the College extends, constitute the Parietal Committee. It is their duty to prevent offences against order and decorum within the College precincts.

14. **REGISTRAR.** It is the duty of the Registrar of the College, under the general direction of the Dean, to superintend all admission examinations and the registration of members of the College, to keep a record of the votes and orders of the Faculty, and to furnish certified copies of the same; and to act as chairman of the Parietal Committee, unless specially exempted therefrom, to keep a record of its proceedings, to execute its votes, and to assign members of the Committee to duty.

15. **RELIGIOUS SERVICES.** Daily prayers are held in the Chapel during term time.

Seats are provided, at the expense of the College, for all students who attend the Sunday services of the several religious denominations having established places of worship in the immediate vicinity of the College.

THE DIVINITY SCHOOL.

16. No assent to the peculiar doctrines or practices of any denomination of Christians is required of instructors or students in the Divinity School.

THE COLLEGE LIBRARY.

17. The College Library in Gore Hall is for the use of the whole University. Its privileges are also granted, under special regulations, to persons not connected with the University.

The general control and oversight of the Library is committed to the Council of the Library, consisting of the President, the Librarian, and six other persons, who are appointed by the Corporation, with the consent of the Overseers, for the term of three years. Any vacancy occurring in the Council is filled in the same manner for the unexpired portion of the term.

It is the duty of the Council to make rules for the administration of the Library; to direct the purchase of books, to the extent of the funds applicable for that purpose; and to visit and inspect the Theological, Law, Medical, and other special libraries.

The Librarian and the Assistant Librarians are chosen in the same manner as officers of instruction and government, and are under the same liability to removal.

The Librarian has the care and custody of the Library. It is his duty to superintend its internal administration, enforce the rules, and conduct the correspondence; and to make annually a written report on the condition of the Library to the Library Committee of the Overseers and to the Corporation.

GOVERNING BOARDS OF THE UNIVERSITY.

CORPORATION.*

PRESIDENT.

CHARLES WILLIAM ELIOT, LL.D., 17 Quincy St., Cambridge.

FELLOWS.

MARTIN BRIMMER, A.B., 47 Beacon St., Boston.

JOHN QUINCY ADAMS, A.B., 23 Court St., Boston.

WILLIAM CROWNINSHIELD ENDICOTT, LL.D., Salem.

HENRY PICKERING WALCOTT, A.B., M.D., 11 Waterhouse St.

FREDERICK LOTHROP AMES, A.B., 96 Ames Building, Boston.

TREASURER.

EDWARD WILLIAM HOOPER, A.B., LL.B., Fayerweather St.,
Cambridge.

OVERSEERS.

The PRESIDENT and TREASURER of the University, *ex officio*, and the following persons by election:—

1892.†

HENRY LEE, A.M., 40 State St., Boston.

ROBERT McNEIL MORSE, JR., A.B., 57 Equitable Building, Boston.

JOHN OSBORNE SARGENT, A.M., 28 E. 35th St., New York, N. Y.

HENRY WARE PUTNAM, A.M., LL.B., 85 Devonshire St., Boston.

STEPHEN MINOT WELD A.M., 89 State St., Boston.

1893.

MOSES WILLIAMS, A.B., 18 Post Office Square, Boston.

FRANCIS CABOT LOWELL, A.B., 159 Beacon St., Boston.

SAMUEL HOAR, A.B., Concord.

ROBERT SWAIN PEABODY, A.M., Exchange Building, Boston.

* The legal title of the Corporation is "PRESIDENT AND FELLOWS OF HARVARD COLLEGE."

† The term expires, in each case, on Commencement Day of the year indicated.
- See p. 24, sect. 4.

1894.

WILLIAM GOODWIN RUSSELL, LL.D., 178 Beacon St., Boston.

SAMUEL ABBOTT GREEN, A.M., M.D., 30 Tremont St., Boston.

CHARLES FRANCIS ADAMS, A.B., Quincy. [N. Y.]

CHARLES COTESWORTH BEAMAN, A.M., 52 Wall St., New York,

AUGUSTUS HEMENWAY, A.B., 10 Tremont St., Boston.

1895.

ANDREW PRESTON PEABODY, D.D., LL.D., 11 Quincy St.,
Cambridge.

ROGER WOLCOTT, A.B., LL.B., Exchange Bldg., State St., Boston.

LEVERETT SALTONSTALL, A.M., LL.B., Chestnut Hill.

EDMUND WETMORE, A.B., LL.B., 45 William St., New York, N. Y.

ROBERT BACON, A.B., 38 State St., Boston.

1896.

GEORGE BRUNE SHATTUCK, A.M., M.D., 183 Beacon St., Boston.

HENRY WARREN TORREY, LL.D., 20 Oxford St., Cambridge.

HENRY HARRISON SPRAGUE, A.M., 19 Milk St., Boston.

SOLOMON LINCOLN, A.M., LL.B., *President*, Hotel Brunswick, Boston.

FRANCIS RAWLE, A.B. LL.B., 402 Walnut St., Philadelphia, Pa.

1897.

THOMAS JEFFERSON COOLIDGE, A.M., 60 State St., Boston.

GEORGE OTIS SHATTUCK, A.B., LL.B., 166 Beacon St., Boston.

CHARLES RUSSELL CODMAN, A.M., LL.B., 57 Marlborough St.,
Boston.

CHARLES JOSEPH BONAPARTE, LL.B., 216 St. Paul St., Balti-
more, Md.

CHARLES FOLLEN FOLSOM, A.M., M.D., 15 Marlborough St.,
Boston.

SECRETARY OF THE BOARD OF OVERSEERS.*

ALEXANDER MCKENZIE, D.D., 12 Garden St., Cambridge.

OFFICERS OF INSTRUCTION AND GOVERNMENT.†

CHARLES WILLIAM ELIOT, LL.D., PRESIDENT, 17 Quincy St. RESIDENCE.‡

ANDREW PRESTON PEABODY, D.D., LL.D., *Preacher*
to the University, and Plummer Professor of Christian
Morals, Emeritus,

11 Quincy St.

* The SECRETARY OF THE UNIVERSITY, to whom requests for information, etc., should be addressed, is FRANK BOLLES, LL.B., 5 University Hall, Cambridge, Mass.

† Arranged, with the exception of the President, on the basis of collegiate seniority.

‡ For abbreviations, see page 11. The residence is in Cambridge, unless otherwise stated. No residence is given, if the officer is absent for the year.

- OLIVER WENDELL HOLMES, M.D., LL.D., LITT.D.,
D.C.L., *Professor of Anatomy, Emeritus*, 296 Beacon St., Boston.
- THOMAS MOTLEY, A.M., *Instructor in Farming*, Jamaica Plain.
- JOSEPH LOVERING, LL.D., *Hollis Professor of Mathematics and Natural Philosophy, Emeritus*, 38 Kirkland St.
- HENRY WARREN TORREY, LL.D., *McLean Professor of Ancient and Modern History, Emeritus*, 20 Oxford St.
- HERMANN AUGUST HAGEN, M.D., PH.D., S.D.,
Professor of Entomology, 7 Putnam Ave.
- JOSIAH DWIGHT WHITNEY, LL.D., *Sturgis Hooper Professor of Geology*, 2 Divinity Ave.
- , *Hersey Professor of the Theory and Practice of Physic*.
- WOLCOTT GIBBS, M.D., LL.D., *Rumford Professor and Lecturer on the Application of Science to the Useful Arts, Emeritus*, Newport, R. I.
- , *Professor of Applied Zoölogy*.
- FRANCIS JAMES CHILD, PH.D., LL.D., *Professor of English*, 67 Kirkland St.
- GEORGE MARTIN LANE, PH.D., *Pope Professor of Latin*, 8 Mercer Circle.
- CHARLES ELIOT NORTON, LITT.D., LL.D., *Professor of the History of Art*, Irving St.
- SERENO WATSON, PH.D., *Curator of the Herbarium*, 56 Shepard St.
- THOMAS HENDERSON CHANDLER, A.M., D.M.D.,
Professor of Mechanical Dentistry, and Dean of the Dental Faculty, 161 Newbury St., Boston.
- JOSIAH PARSONS COOKE, LL.D., *Erving Professor of Chemistry and Mineralogy, and Director of the Chemical Laboratory*, 12 Ware St.
- CHARLES CARROLL EVERETT, D.D., *Bussey Professor of Theology, and Dean of the Divinity Faculty*, 53 Garden St.
- JOSEPH HENRY THAYER, D.D., *Bussey Professor of New Testament Criticism and Interpretation*.
- CHARLES FRANKLIN DUNBAR, LL.D., *Professor of Political Economy, and Dean of the Faculty of Arts and Sciences*, 14 Highland St.
- WILLIAM WATSON GOODWIN, PH.D., LL.D.,
D.C.L., *Eliot Professor of Greek Literature*, 5 Follen St.
- CHRISTOPHER COLUMBUS LANGDELL, LL.D.,
Dane Professor of Law, and Dean of the Law Faculty, 37 Quincy St.
- FERDINAND BÔCHER, A.M., *Professor of Modern Languages*, 12 Holyoke Pl.

- DAVID WILLIAMS CHEEVER, A.B., M.D., *Professor of Surgery.*
- JAMES BRADLEY THAYER, LL.D., *Professor of Law,* 5 Phillips Pl.
- ADAMS SHERMAN HILL, A.B., LL.B., *Boylston Professor of Rhetoric and Oratory,* 19 Marlborough St., Boston.
- JAMES MILLS PEIRCE, A.M., *Perkins Professor of Astronomy and Mathematics, and Dean of the Graduate School,* 472 Broadway.
- JAMES CLARKE WHITE, A.B., M.D., *Professor of Dermatology,* 259 Marlborough St., Boston.
- JUSTIN WINSOR, LL.D., *Librarian,* 74 Sparks St.
- FRANCIS HUMPHREYS STORER, S.B., A.M., *Professor of Agricultural Chemistry, and Dean of the Bussey Institution,* 476 Boylston St., Boston.
- JAMES BRADSTREET GREENOUGH, A.B., *Professor of Latin,* 13 Brewster St.
- BENNETT HUBBARD NASH, A.M., *Professor of Italian and Spanish,* 252 Beacon St., Boston.
- , *Professor of Topographical Engineering.*
- ARTHUR SEARLE, A.M., *Phillips Professor of Astronomy,* 41 Concord Ave.
- JEREMIAH SMITH, LL.D., *Story Professor of Law,* 4 Berkeley St.
- CRAWFORD HOWELL TOY, LL.D., *Hancock Professor of Hebrew and other Oriental Languages, and Dexter Lecturer on Biblical Literature,* 7 Lowell St.
- JOHN CHIPMAN GRAY, A.M., LL.B., *Royall Professor of Law,* 176 Beacon St., Boston.
- CHARLES JOYCE WHITE, A.M., *Professor of Mathematics,* W. 36.
- JOHN KNOWLES PAINE, A.M., Mus.D., *Professor of Music,* 23 Hawthorn St.
- GEORGE LINCOLN GOODALE, M.D., LL.D., *Fisher Professor of Natural History, and Director of the Botanic Garden,* 67 Sparks St.
- OLIVER FAIRFIELD WADSWORTH, A.M., M.D., *Professor of Ophthalmology,* 393 Boylston St., Boston.
- HENRY PICKERING BOWDITCH, A.M., M.D., *Professor of Physiology, and Dean of the Medical Faculty,* Jamaica Plain.
- CHARLES HERBERT MOORE, A.M., *Assistant Professor of Design in the Fine Arts,* 19 Follen St.
- FREDERICK WARD PUTNAM, A.M., *Peabody Professor of American Archaeology and Ethnology, and Curator of the Peabody Museum,* 10 Remington St.

- CLARENCE JOHN BLAKE, M.D., *Professor of Otology*,
226 Marlborough St., Boston.
- FRANK WINTHROP DRAPER, A.M., M.D., *Professor
of Legal Medicine*, 304 Marlborough St., Boston.
- FREDERICK IRVING KNIGHT, A.M., M.D., *Clinical
Professor of Laryngology*, 131 Boylston St., Boston.
- CHARLES BURNHAM PORTER, A.M., M.D., *Profes-
sor of Clinical Surgery*, 5 Arlington St., Boston.
- CHARLES SPRAGUE SARGENT, A.B., *Arnold Pro-
fessor of Arboriculture, and Director of the Arnold
Arboretum*, Brookline.
- NATHANIEL SOUTHGATE SHALER, S.D., *Professor
of Geology, and Dean of the Lawrence Scientific School*, 25 Quincy St.
- FREDERIC DE FOREST ALLEN, Ph.D., *Professor
of Classical Philology*,
- JOHN ORNE GREEN, A.M., M.D., *Clinical Professor
of Otology*, 182 Marlborough St., Boston.
- AMOS LAWRENCE MASON, A.B., M.D., *Assistant
Professor of Clinical Medicine*, 265 Clarendon St., Boston.
- CLEMENT LAWRENCE SMITH, LL.D., *Professor of
Latin*, 94 Brattle St.
- JOHN COLLINS WARREN, A.B., M.D., *Associate Pro-
fessor of Surgery*, 58 Beacon St., Boston.
- REGINALD HEBER FITZ, A.M., M.D., *Shattuck Pro-
fessor of Pathological Anatomy*, 18 Arlington St., Boston.
- GEORGE HERBERT PALMER, A.M., *Alford Professor
of Natural Religion, Moral Philosophy, and Civil Polity*, 3 Mason St.
- WILLIAM LAMBERT RICHARDSON, A.M., M.D.,
Professor of Obstetrics, 225 Commonwealth Ave., Boston.
- EDWARD CHARLES PICKERING, LL.D., *Paine
Professor of Practical Astronomy, and Director of the
Observatory*, Observatory.
- JOHN TROWBRIDGE, S.D., *Rumford Professor and
Lecturer on the Application of Science to the Useful
Arts, and Director of the Jefferson Physical Laboratory*, Linnaean St.
- GEORGE ALONZO BARTLETT, *Associate Professor
of German, and Regent*, Beck Building 26.
- THOMAS DWIGHT, M.D., LL.D., *Parkman Professor
of Anatomy*, 235 Beacon St., Boston.
- WILLIAM GILSON FARLOW, A.M., M.D., *Professor
of Cryptogamic Botany*, Hilton Block A.
- THOMAS FILLEBROWN, M.D., D.M.D., *Professor of
Operative Dentistry*, 264 Boylston St., Boston.

- WILLIAM JAMES, M.D., *Professor of Psychology*, 95 Irving St.
 CHARLES LORING JACKSON, A.M., *Professor of Chemistry*, H'y 11.
 EDWARD STICKNEY WOOD, A.M., M.D., *Professor of Chemistry*, 12 Chauncy St.
 JAMES BARR AMES, A.M., LL.B., *Bussey Professor of Law*, 11 Frisbie Pl.
 FREDERICK CHEEVER SHATTUCK, A.M., M.D., *Jackson Professor of Clinical Medicine*, 135 Marlborough St., Boston.
 FRÉDÉRIC CÉSAR DE SUMICHRASST, *Assistant Professor of French*, 16 Quincy St.
 JOHN WILLIAMS WHITE, Ph.D., *Professor of Greek*, 18 Concord Ave.
 WILLIAM HENRY BAKER, M.D., *Professor of Gynecology*, 22 Mt. Vernon St., Boston.
 EDWARD HICKLING BRADFORD, A.M., M.D., *Instructor in Orthopedics*, 149 Newbury St., Boston.
 WILLIAM MORRIS DAVIS, M.E., *Professor of Physical Geography*, 2 Bond St.
 HENRY BARKER HILL, A.M., *Professor of Chemistry*, 17 Hammond St.
 WARREN ANDREW LOCKE, A.M., *Organist and Choir-Master*, 10 Putnam Ave.
 FRANCIS GREENWOOD PEABODY, D.D., *Plummer Professor of Christian Morals*,
 ———, *Parkman Professor of Theology*.
 CHARLES ALBERT BRACKETT, D.M.D., *Professor of Dental Pathology*, Newport, R. I.
 THOMAS MORGAN ROTCH, A.B., M.D., *Assistant Professor of the Diseases of Children*, 197 Commonwealth Ave., Boston.
 BENJAMIN MARSTON WATSON, A.B., *Instructor in Horticulture*, Jamaica Plain.
 WILLIAM ELWOOD BYERLY, Ph.D., *Professor of Mathematics*, 39 Hammond St.
 EPHRAIM EMERTON, Ph.D., *Winn Professor of Ecclesiastical History*, 19 Chauncy St.
 WILLIAM BARKER HILLS, A.B., M.D., *Associate Professor of Chemistry*, 27 Everett St.
 CHARLES ROCKWELL LANMAN, Ph.D., *Professor of Sanskrit*, 9 Farrar St.
 EDWARD LAURENS MARK, Ph.D., *Hersey Professor of Anatomy*, 21 North Ave.
 EUGENE HANES SMITH, D.M.D., *Instructor in Orthodontia*, 283 Dartmouth St., Boston.

- WILLIAM FISKE WHITNEY, A.B., M.D., *Curator of the Anatomical Museum*, 228 Marlborough St., Boston.
- CHARLES SEDGWICK MINOT, S.D., *Assistant Professor of Histology and Embryology*, 22 Marlborough St., Boston.
- EDWARD STEVENS SHELDON, A.B., *Assistant Professor of Romance Philology*, 27 Hurlbut St.
- SILAS MARCUS MACVANE, A.B., *McLean Professor of Ancient and Modern History*, 84 Kirkland St.
- MAURICE HOWE RICHARDSON, A.B., M.D., *Assistant Professor of Anatomy*, 224 Beacon St., Boston.
- FREEMAN SNOW, Ph.D., *Instructor in International Law*, H'y 20.
- FRANK BIGELOW TARBELL, Ph.D., *Instructor in Greek and Latin*, M. 7.
- JOHN HENRY WRIGHT, A.M., *Professor of Greek*, 6 Riedesel Ave.
- GEORGE BENDELARI, A.M., *Instructor in History*, H. 7.
- CHARLES PARKER LYMAN, F.R.C.V.S., *Professor of Veterinary Medicine, and Dean of the School of Veterinary Medicine*, 174 Falmouth St., Boston.
- ROBERT LOUIS SANDERSON, *Assistant Professor of French*, 386 Harvard St.
- EDWARD CORNELIUS BRIGGS, M.D., D.M.D., *Assistant Professor of Dental Materia Medica and Therapeutics*, 125 Marlborough St., Boston.
- LE BARON RUSSELL BRIGGS, A.M., *Professor of English, and Dean of Harvard College*, 140 Brattle St.
- EDWIN HERBERT HALL, Ph.D., *Assistant Professor of Physics*, Gorham St.
- DAVID GORDON LYON, Ph.D., *Hollis Professor of Divinity*, 6 Mason St.
- SAMUEL JASON MIXTER, S.B., M.D., *Demonstrator of Anatomy*, 180 Marlborough St., Boston.
- JOSIAH ROYCE, Ph.D., *Assistant Professor of Philosophy*, 103 Irving St.
- DUDLEY ALLEN SARGENT, A.M., M.D., *Director of the Hemenway Gymnasium*, 27 Everett St.
- KUNO FRANCKE, Ph.D., *Assistant Professor of German*, 384 Harvard St.
- HANS CARL GÜNTHER VON JAGEMANN, Ph.D., *Assistant Professor of German*, 29 Shepard St.
- PHILIPPE BELKNAP MARCOU, Ph.D., *Tutor in French*, 42 Garden St.
- CHARLES POMEROY PARKER, A.B., *Instructor in Greek and Latin*, 60 Shepard St.

BENJAMIN OSGOOD PEIRCE, Ph.D., <i>Hollis Professor of Mathematics and Natural Philosophy,</i>	51 Oxford St.
FRANK BOLLES, LL.B., <i>Secretary of the University,</i>	6 Berkeley St.
JERE EDMUND STANTON, M.D., D.M.D., <i>Instructor in Oral Anatomy and Physiology,</i>	414 Boylston St., Boston.
WILLIAM HOPKINS TILLINGHAST, A.B., <i>Assistant Librarian, and Editor of the Quinquennial Catalogue,</i>	50 Garden St.
BARRETT WENDELL, A.B., <i>Assistant Professor of English,</i>	G. 18.
EDWARD CHANNING, Ph.D., <i>Assistant Professor of History,</i>	1 Brewster Pl.
CHARLES GROSS, Ph.D., <i>Instructor in History,</i>	14 Trowbridge St.
PAUL HENRY HANUS, B.S., <i>Assistant Professor of the History and the Art of Teaching,</i>	21 Craigie St.
CHARLES HARRINGTON, A.B., M.D., <i>Instructor in Materia Medica and Hygiene,</i>	Jamaica Plain.
HUGO KARL SCHILLING, Ph.D., <i>Assistant Professor of German,</i>	11 Avon St.
WILLIAM HENRY PICKERING, S.B., <i>Assistant Professor of Astronomy,</i>	Observatory.
FRANK WILLIAM TAUSSIG, LL.B., Ph.D., <i>Assistant Professor of Political Economy,</i>	2 Scott St.
JOHN ELIOT WOLFF, Ph.D., <i>Instructor in Petrography,</i>	15 Story St.
ALBERT BUSHNELL HART, Ph.D., <i>Assistant Professor of History,</i>	15 Appian Way.
SOLON IRVING BAILEY, <i>Assistant in the Observatory,</i>	29 Mt. Pleasant St., No. Cambridge.
OLIVER WHIPPLE HUNTINGTON, Ph.D., <i>Instructor in Mineralogy and Chemistry,</i>	12 Ware St.
WILLIAM COOLIDGE LANE, A.B., <i>Assistant Librarian,</i>	19 Oxford St.
MORRIS HICKY MORGAN, Ph.D., <i>Assistant Professor of Greek and Latin,</i>	Hubbard Park.
ALBERT ANDREW HOWARD, Ph.D., <i>Tutor in Latin,</i>	735 Cambridge St.
NATHANIEL THAYER KIDDER, B.A.S., <i>Instructor in Botany,</i>	Milton.
GEORGE LYMAN KITTREDGE, A.B., <i>Assistant Professor of English,</i>	9 Hilliard St.
ROLAND THAXTER, Ph.D., <i>Assistant Professor of Cryptogamic Botany,</i>	8 Scott St.

- SAMUEL WILLISTON, A.M., LL.B., *Assistant Professor of Law*, 45 Garden St.
 ARTHUR RICHMOND MARSH, A.B., *Assistant Professor of Comparative Literature*, 19 Oxford Street.
 LEWIS EDWARDS GATES, A.B., *Instructor in English*, M. 40.
 EDWARD CAMPBELL BECKETT, M.D.V., *Instructor in Operative Veterinary Surgery, and Superintendent of the Veterinary Hospital*, 50 Village St., Boston.

ANNUAL APPOINTMENTS FOR 1891-92.

Preachers to the University.*

- BROOKE HERFORD, D.D., 12 Chestnut St., Boston.
 LYMAN ABBOTT, D.D., 56 Willow St., Brooklyn, N. Y.
 HENRY VAN DYKE, D.D., 10 W. 39th St., New York, N. Y.
 CHARLES CARROLL EVERETT, D.D., 53 Garden St.
 LEIGHTON PARKS, A.M., D.B., 26 Brimmer St., Boston.

Harvard College, the Lawrence Scientific School, and the Graduate School.

- JOHN JOSEPH HAYES, *Instructor in Elocution*, 6 Story St.
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GEORGE SANTAYANA, PH.D., *Instructor in Philosophy.*

CHARLES B. DAVENPORT, A.M., *Instructor in Zoölogy.*

EDGAR BUCKINGHAM, A.B., *Assistant in Physics.*

JEFFERSON B. FLETCHER, A.M., *Instructor in English.*

BYRON S. HURLBUT, A.M., *Instructor in English.*

LEWIS J. JOHNSON, A.B., C.E., *Instructor in Engineering.*

WILLIAM L. PHELPS, PH.D., *Instructor in English.*

CHARLES A. RICH, A.B., *Assistant in Physics.*

BENJAMIN L. ROBINSON, PH.D., *Instructor in German.*

- DAVID E. SPENCER, A.M., *Assistant in History.*
MAXIME BÔCHER, PH.D., *Instructor in Mathematics.*
HERMAN W. HALEY, PH.D., *Instructor in Latin.*
HARRY M. KELLY, A.M., *Assistant in Zoölogy.*
WILLIAM M. WOODWORTH, PH.D., *Instructor in Microscopic Anatomy.*
CLARENCE A. HIGHT, A.B., *Assistant in Forensics.*
WALTER L. JENNINGS, A.M., *Assistant in Chemistry.*
HENRY B. KUMMEL, A.B., *Assistant in Geology.*
HENRY B. LATHROP, A.B., *Instructor in English.*
GEORGE A. REISNER, A.M., *Assistant in Semetic Languages.*
ROBERT DE C. WARD, A.B., *Assistant in Physical Geography and Meteorology.*
WILLIAM M. COLE, A.B., *Instructor in Political Economy.*
RICHARD E. DODGE, A.B., *Assistant in Geology.*
HENRY N. HERMAN, A.M., *Assistant in Chemistry.*
WINFIELD S. NICKERSON, S.B., *Assistant in Zoölogy.*
GEORGE J. PEIRCE, S.B., *Assistant in Botany.*
LEWIS G. WESTGATE, A.B., *Assistant in Geology.*
COMFORT A. ADAMS, JR., S.B., *Instructor in Electrical Engineering.*
GEORGE A. CHAMBERLAIN, A.B., *Assistant in Physics.*
THOMAS H. CURRIE, A.B., *Assistant in Mineralogy.*
HORACE A. DAVIS, A.B., *Assistant in Forensics.*
FRANK J. V. DAKIN, *Assistant in Fine Arts.*
HERBERT M. RICHARDS, *Assistant in Botany.*
JAY B. WOODWORTH, *Assistant in Geology.*

STANDING COMMITTEES OF THE FACULTY OF ARTS AND SCIENCES.

INSTRUCTION. — Professors Dunbar (*Chairman*), J. M. Peirce, Cooke, Goodwin, Bôcher, Goodale, Smith, Trowbridge, James, Macvane.

ADMISSION EXAMINATIONS. — Professors Briggs (*Chairman*), C. J. White, Smith; Assoc. Professor Bartlett; Asst. Professors Sanderson, Hall, Hart, Morgan, Kittredge.

ADMISSION FROM OTHER COLLEGES. — Professors J. M. Peirce (*Chairman*), Wright; Asst. Professors Royce, von Jagemann, Marsh; Dr. Gross.

CHANGES OF ELECTIVE STUDIES. — Mr. Bendelari (*Chairman*); Dr. Gross; Dr. Wolff.

SPECIAL STUDENTS. — Professors Davis (*Chairman*), Toy; Asst. Professors Moore, de Sumichrast, Taussig, Schilling; Mr. Cummings.

FELLOWSHIPS AND OTHER AIDS FOR GRADUATES. — Professors Dunbar (*Chairman*), Child, Goodwin, J. M. Peirce, Smith, Shaler, James, Jackson, Emerton.

SCHOLARSHIPS AND OTHER AIDS FOR UNDERGRADUATES. — Professors Briggs (*Chairman*), Smith, Davis, Mark; Asst. Professor Sheldon.

THE TABULAR VIEW. — Professors Macvane (*Chairman*), B. O. Pierce; Mr. Bendelari.

FRESHMAN ADVISERS. — Assoc. Professor Bartlett (*Chairman*); Professors James, Wright, Lyon; Asst. Professors Sanderson, Hall, Royce, Francke, von Jagemann, Channing, Hart, Kittredge, Thaxter; Messrs. Snow, Parker, Tarbell, Gates, Howard.

EXAMINATIONS FOR WOMEN. — Professors Smith (*Chairman*), Child, Byerly; Asst. Professors Francke, Channing.

PUBLIC ENTERTAINMENTS. — Professors Palmer (*Chairman*), H. B. Hill; Dr. Marcou.

SUMMER COURSES. — Professors Shaler (*Chairman*), Lyon, Hanus; Assoc. Professor Bartlett; Asst. Professor Kittredge.

COURSES OF INSTRUCTION IN TEACHING. — Asst. Professor Royce (*Chairman*); Professors Shaler, J. W. White; Dr. Snow; Mr. Parker.

PARIETAL COMMITTEE.

George A. Bartlett, <i>Chairman</i> ,	Frank S. Stebbins, A.B.	C. 17.
Beck Building 26.	Frederick W. Dewart, A.B.	C. 56.
Charles L. Jackson, A.M.	Arthur B. Willmott, A.M.	Little's Block 6.
Freeman Snow, PH.D., LL.B.	Winfield S. Nickerson, S.B.	Little's Block 19.
James M. Hallowell, A.B.	Charles H. McIntyre, A.B.	Hilton Block 4.
Frederick R. Clow, A.B.	Edward C. Morey, A.M.	Hilton Block 23.
William L. Phelps, PH.D.	Franklin C. Southworth,	Felton Build. 17.
William M. Cole, A.B.	A.B.	Benjamin E. Carter, A.B.
Charles J. White, A.M.	Warland Block 3.	Charles R. Eastman, A.M.
Alfred B. Nichols, A.B.	Read's Block 4.	David C. Torrey, A.B.
Charles L. Mix, A.M.	Read's Block 24.	Carl A. Ewald, A.B.
Harry M. Kelly, A.M.	Shepherd Block 14.	Oliver J. Fairchild, A.B.
Frank B. Tarbell, PH.D.	D. 15.	
Lewis E. Gates, A.B.		
George Bendelari, A.M.		
Byron S. Hurlbut, A.M.		
George Santayana, PH.D.		
Lewis J. Johnson, A.B., C.E.		
Horace A. Davis, A.B.		
Augustus W. Long, A.M.		
Frederick B. Jacobs, A.B.		
Henry Hudson, A.B.		

COURSES OF INSTRUCTION

PROVIDED BY THE FACULTY OF ARTS AND SCIENCES.

Elective studies are classed as *courses* or *half-courses*, according to the estimated amount of work in each; and its value in fulfilling the requirements for the degree of A.B. or A.M. In the following list, half-courses are expressly designated as such; all others are full courses, with the exception of the courses of research, which, if taken by a candidate for either of the degrees named, usually count as full courses, but may be estimated differently by special arrangement.

The numbers and letters prefixed to the several courses are intended to be permanent, and no attempt is made to arrange them in a regular or complete series.

The Roman numeral in parentheses appended to each course indicates the examination group to which the course belongs (see pp. 102, 103). No student will be examined in two courses which are in the same group, except in the cases stated on page 102.

The courses *primarily for Undergraduates* are open to Graduate Students, but are not ordinarily counted towards any of the higher degrees. To the courses *primarily for Graduates* Undergraduates are admitted only on the *recommendation* of the Instructor.

No starred (*) course and no course of research can be taken without the *previous* consent of the Instructor. Each student will choose his elective studies in accordance with the regulations of the department of the University to which he belongs. Of the courses omitted this year, those enclosed in square brackets were not *offered*.

Laboratory fees are payable by all students electing any course in Chemistry, or any course with laboratory work in Physics or in Natural History.

The attention of students is also called to the separate pamphlets containing more detailed accounts of the instruction in the following departments of study: Semitic Languages and History; Classical Philology and Sanskrit; English; German; French; Italian, Spanish, and Romance Philology; Philosophy; Political Economy; History; Music; Mathematics; Physics; Zoölogy; Geology.

Any of these pamphlets may be had on application.

SEMITIC LANGUAGES AND HISTORY.**For Graduates and Undergraduates.**

1. Hebrew. — Davidson's Introductory Hebrew Grammar. — Explanation of parts of Genesis and of the Psalm-book. *Mon., Wed., Fri., at 11.* Professor LYON and Mr. REISNER. (III.)

The following courses do not require a knowledge of Semitic languages: —

6. Babylonian-Assyrian History from native sources, with comparison of the Greek and Roman writers. *Half-course. Sat. at 11.* Professor LYON. (IX.)
12. History of Israel, political and social, from the period of the Judges until Ezra. *Tu., Th., at 11.* Professor LYON. (IX.)
13. History of the Hebrew Religion, with comparison of other Semitic Religions. *Fri., 2.30-4.30.* Professor TOY. (VI.)
- 16¹. History of prechristian Hebrew literature. *Mon., Tu., Wed., Th., at 2.30 (first half-year).* Professor TOY. (XI¹.)
- [15. Political and literary history of the Bagdad Califate. *Half-course. Sat. at 12.* Professor TOY.] (X.)
Omitted in 1891-92.
14. Political and literary history of the Spanish Califate. *Half-course. Sat., at 12.* Professor TOY. (X.)

Courses 14 and 15 are given in alternate years.

Primarily for Graduates.

2. Hebrew (second course). — Syntax. — Driver's Hebrew Tenses. — Interpretation of parts of the Prophets and the Poetical Books. *Tu., Th., at 3.30.* Professor TOY. (XII.)
- 3¹. Classical Aramaic (Syriac). — Grammars of Nestle and Nöldeke. — Rödiger's Chrestomathy. — The Peshitto version of the New Testament. *Half-course. Wed., Sat., at 10 (first half-year).* Professor LYON. (VIII.)

- 3^d. Jewish Aramaic. — Keutsch's *Biblisch-Aramäische Grammatik*. — Brown's Aramaic Method. — Interpretation of selections from the Targums, and from Daniel and Ezra. *Half-course*. *Wed., Sat., at 10 (second half-year)*. Professor LYON. (VIII.)
4. Assyrian. — Lyon's Assyrian Manual. — References to Delitzsch's Assyrian Grammar. — Delitzsch's *Assyrische Lesestücke*. *Mon., Fri., at 12*. Professor LYON and Mr. REISNER. (IV.)
5. Assyrian (second course). — Delitzsch's Assyrian Grammar. — The Cuneiform Inscriptions of Western Asia (interpretation of selections). *Tu., Th., at 12*. Professor LYON. (X.)
7. Arabic. — Lansing's Grammar. — The Thousand and One Nights. *Mon., Wed., at 2.30*. Professor TOY and Mr. REISNER. (V.)
8. Arabic (second course). — Wright's Grammar. — Interpretation of parts of the Moallakāt, of Motenebbi and other poets, and of the Korān. *Mon., Wed., at 3.30*. Professor TOY. (VI.)
9. Ethiopic. — Dillmann's *Grammatik und Chrestomathia*. *Half-course*. *Mon., at 4.30*. Professor TOY.
- [10. Phoenician. — Schröder's *Phönizische Sprache*. — *Corpus Inscriptionum Semiticarum*. *Half-course*. *Th., at 4.30*. Professor TOY.]
Omitted in 1891-92.
The courses in Ethiopic and Phoenician are given in alternate years.
11. General Semitic Grammar. *Half-course*. *Sat., at 9*. Professor TOY. (VII.)
This course can be taken by those only who are acquainted with at least three Semitic languages, of which one must be Arabic.

COURSE OF RESEARCH.

20. Special investigations in Semitic Philology and History under the guidance of the instructors.

SEMITIC CONFERENCE.

The Semitic Conference, composed of instructors and students in the Semitic department, meets twice a month throughout the College year. At each meeting a paper is read, which is expected to give the results of independent investigation in the subject presented. Students may have access to the Semitic Museum and Library.

INDO-IRANIAN LANGUAGES.**For Graduates and Undergraduates.**

1. Sanskrit. — Sounds and inflexions (Whitney's Grammar.) — Elementary composition and translation (Perry's Primer). — Reading of easy prose and verse (Lanman's Reader). *Mon., Wed., Fri., at 3.30.* Professor LANMAN. (VI.)
2. Sanskrit (second course). — Classical Sanskrit. — Selections from the *Pañcatantra* and *Mahā-Bhārata* (Geiger's Manual and Böttlingk's *Chrestomathy*). *Half-course. Mon., Wed., Fri., at 2.30 (first half-year).* Professor LANMAN. (VI.)

Primarily for Graduates.

3. Sanskrit (third course). — Introduction to the language and literature of the Vedas. *Half-course. Mon., Wed., Fri., at 2.30 (second half-year).* Professor LANMAN. (V².)
4. Pāli. — The Sacred Books of Buddhism. *Tu., Th., from 1.30 to 3.* Professor LANMAN. (XI.)

COURSE OF RESEARCH.

20. Special advanced study of selected Sanskrit works, with practice in the use of the manuscripts of the Harvard collection. Professor LANMAN.

SANSKRIT CONFERENCE.

The Instructor conducts an informal exercise in cursory reading of Sanskrit literature on Tuesday evening of each week of the second half-year at his study. The selections for 1891-92 will be from the *Kathā-Sarit-Sāgara*.

GREEK.**Primarily for Undergraduates.**

The attention of undergraduates is called to Course 1 in Classical Philology.

LECTURES. — Several introductory lectures will be delivered to the Freshmen at different times in the course of the year, — on *Lysias* and his *Times* by Dr. MORGAN, on *Socrates* and *Plato* by Professor GOODWIN, on *Homer* by Professor WRIGHT, and on the *Greek Theatre and Dramatic Performances* by Professor J. W. WHITE.

- A. Herodotus (selections). — Homer (selections from Books I.-XII. of the Iliad). — Reading at sight. Tu., Th., Sat., at 9. Dr. TARBELL. (VII.)**

Course *A* is intended for Freshmen who presented only Elementary Greek in the examination for admission.

- F. Greek Prose Composition (elementary course). *Half-course. Wed., and alternate Fri., at 2.30. Dr. TARBELL. (V.)***

Course *F* is intended for Freshmen who have passed in Elementary (or in Advanced) Greek, but not in Greek Composition, at the examinations for admission.

Courses *A* and *F* cannot be counted for Honors.

- B. Lysias (selections). — Plato (Apology and Crito). — Homer (selections from the Odyssey). — Euripides (Medea). — Reading at sight. Mon., Wed., Fri., at 12. Dr. MORGAN. (IV.)**

- C. Lysias (selections). — Plato (Apology and Euthyphro). — Homer (selections from the Odyssey). — Aristophanes (Clouds). — Reading at sight. Tu., Th., Sat., at 11. Dr. MORGAN. (IX.)**

Courses *B* and *C* are parallel courses and cannot both be taken by the same student.

Courses *B* and *C* are open to Freshmen who presented Advanced Greek for admission, and to Sophomores who have passed in Course *A* in their Freshman year. They cannot be counted for Final Honors, but either of them may be counted for Second-Year Honors.

- D. Lysias and Isocrates (selections). — Plato (Apology and Laches). — Homer (selections from the Odyssey). — Euripides (Medea). — Aristophanes (Clouds). — Reading at sight. Mon., Wed., Fri., at 12. Professors J. W. WHITE and WRIGHT. (IV.)**

The class in Course *D* will be selected at the beginning of the year, from the Freshmen who have elected *B* or *C*, on the basis of the entrance examination in Advanced Greek; the list will subsequently be revised, and students will be transferred from *B* or from *C* to *D*, or *vice versa*, according to the fuller evidence of proficiency afforded by their College work. Course *D* is not to be included by the student in his choice of elective studies, but if he expects to be a member of this course he should choose no study in Group IV.

Course *D* cannot be counted for Final Honors, but may be counted for Second-Year Honors.

- E. Greek Prose Composition (second course). — Goodwin's Moods and Tenses. *Half-course. Wed., and (during the first half-year) Fri., at 1.30. Dr. MORGAN. (XIII.)***

Course *E* may be counted for Second-Year, but not for Final, Honors. It is especially recommended to Freshmen intending to be candidates for Second-Year Honors.

1. Lucian (selections). — Demosthenes (Philippics). — Plato (Protagoras). — Euripides (Iphigenia in Tauris). — Aristophanes (Acharnians). — Reading at sight. *Mon., Wed., Fri., at 11.* Dr. MORGAN. (III.)

Course 1 may, with the consent of the Instructor, be taken during either half-year as a half-course.

2. Aeschylus (Prometheus Bound). — Sophocles (Oedipus Tyrannus). — Thucydides (selections from Books VI. and VII.). — Aristophanes (Birds). — Collateral reading of the Plutus of Aristophanes. — Reading at sight. *Tu., Th., Sat., at 10.* Professor J. W. WHITE. (VIII.)

3. Greek Prose Composition (third course). — Translation and original composition. — Oral exercises. *Half-course. Tu., at 2.30.* Professor WRIGHT. (XI.)

Courses 2 and 3 are intended especially for candidates for Second-Year Honors in Classics. The Final Examination in Course 3 is identical with the special examination in Greek Composition for Second-Year Honors.

6. Demosthenes (On the Crown, with parts of the Embassy). — Aeschines (Against Ctesiphon, selections). — Lycurgus (Against Leocrates). — Aeschylus (Seven against Thebes). — Sophocles (Electra). — Aristophanes (Frogs). *Tu., Th., Sat., at 10.* Professor WRIGHT. (VIII.)

For Graduates and Undergraduates.

7. Greek Prose Composition (fourth course). — Written composition in the style of Demosthenes and of Plato, with studies of classical models. — Translation of selections of standard English (rhetorical and philosophical). *Half-course. Wed., at 9.* Professor WRIGHT. (I.)

Course 7 is open only to those who have already taken Course 3. It may be taken in two successive years, counting as a half-course in each year. It may also be taken once a fortnight through two years, counting as a half-course on the record of the second year.

- [4. The Comedies of Aristophanes, with lectures on the Scenic and Private Antiquities. *Fri., 2.30-4.30, and a third hour at the pleasure of the Instructor.* Professor J. W. WHITE.] (V.)
Omitted in 1891-92.

Course 4 is open to those who have received Second-Year Honors in Classics and to Graduates. Others who wish to elect it must first consult the Instructor.

- [12. Three Centuries of Greek History (600-300 B.C.). — Studies in Institutions and in Biography. — Lectures, with collateral reading and theses. *Mon., Wed., and (at the pleasure of the Instructor) Fri., at 12.* Professor WRIGHT.] (IV.)
Omitted in 1891-92.
8. Plato (Republic.) — Aristotle (Ethics, Books I.-IV. and X.). *Tu., Th., Sat., at 9.* Professor GOODWIN. (VII.)
In Course 8 attention will be directed mainly to the subject-matter of the authors read. The course is important for candidates for Final Honors in Classics. It may also be counted for Honors in Philosophy.
9. Pindar (Olympian and Pythian Odes). *Half-course. Tu., Th., Sat., at 10 (first half-year).* Professor GOODWIN. (VIII.)
10. The Life of the Ancient Athenians, described and illustrated by the aid of the Literature and of the Monuments. *Tu., Th., and (at the pleasure of the Instructor) Sat., at 12.* Professor J. W. WHITE. (X.)
13. Greek Archaeology. — History of Greek Architecture, Sculpture, and Painting. *Mon., Wed., at 12, and a third hour at the pleasure of the Instructor.* Dr. TARBELL. (IV.)
- [11. History of Greek Literature. — Lectures, with direction of the students' private reading. *Tu., Th., Sat., at 11.* Professor ALLEN.] (IX.)
Omitted in 1891-92.

. For courses designed especially for Graduates, see under Classical Philology below.

LATIN.

Primarily for Undergraduates.

The attention of undergraduates is called to Course 1 in Classical Philology.

- A. Cicero (selected orations). — Virgil. — Practice in reading at sight. *Mon., Wed., Fri., at 11.* Mr. C. P. PARKER. (III.)

Course A is open to students who have passed in Elementary, but not in Advanced Latin, at the examinations for admission to College.

- F. Latin Composition (elementary course). — Collar's Practical Latin Composition. *Half-course. Mon., and alternate Fri., at 2.30.* Mr. C. P. PARKER. (V.)

Course F is open to students who have passed in Elementary (or in Advanced) Latin, but not in Latin Composition, at the examinations for admission to College.

Courses A and F cannot be counted for Honors.

B. Cicero (De Amicitia). — Livy (Books XXI. and XXII.). — Terence (Adelphoe and Andria). — Reading at sight. *Tu., Th., Sat., at 9.* Dr. HOWARD and Mr. NICOLSON. (VII.)

C. Cicero (De Amicitia). — Livy (Books I. and II.). — Terence (Phormio and Andria). — Reading at sight. *Mon., Wed., Fri., at 11.* Dr. HOWARD and Mr. NICOLSON. (III.)

D. (*Advanced Course for Freshmen.*) Cicero (De Amicitia). — Livy (Book I. and II.). — Terence (Phormio and Heautontimorumenos). — Plautus (Menaechmi). — Reading at sight. *Tu., Th., Sat., at 9.* Dr. HOWARD. (VII.)

Courses *B* and *C* are open to Freshmen who have passed in Advanced Latin for admission, and for Sophomores who have passed in Course *A*. The class for Course *D* is selected at the beginning of the year from those who elect *B* or *C*, chiefly on the basis of the admission examinations in the translation of Latin at sight; but students in those courses who show marked proficiency in reading Latin may be promoted to Course *D* during the year. Courses *B*, *C*, and *D* cannot be counted for Final Honors, but any one of them may be counted for Second-Year Honors.

E. Latin Composition (second course). *Half-course. Mon., and (during the second half-year) Fri., at 1.30.* Mr. C. P. PARKER. (XIII.)

Course *E* may be counted for Second-Year, but not for Final, Honors. It is recommended to Freshmen who propose to be candidates for Second-Year Honors.

1. Horace (Odes and Epodes). — Tacitus (Histories; Dialogus). — Reading at sight. *Mon., Wed., Fri., at 10.* Professor LANE. (II.)

2. Tacitus (Dialogus; Germania; Agricola). — Horace (Odes and Epodes). — Reading at sight. *Tu., Th., Sat., at 12.* Mr. C. P. PARKER. (X.)

Course 1 is for students who have passed in Course *D*, or have attained distinguished credit in Course *B* or Course *C*. Course 2 is for students who have passed in Course *B* or *C*, or have attained distinguished credit in Course *A*. Courses 1 and 2 cannot be taken together, nor is either of them open to any student who has already taken the other, or who has taken any of the following courses.

Either Course 1 or Course 2 may, with the consent of the Instructor, be taken during either half-year as a half-course.

3. Latin Composition (third course). *Half-course. Th., at 2.30.* Mr. C. P. PARKER. (XI.)

Course 3 is intended especially for candidates for Second-Year Honors. The Final Examination in this course is identical with the special examination in Latin Composition for Second-Year Honors.

4. Horace (Satires and Epistles). *Half-course. Tu., Th., Sat., at 11 (second half-year).* Professor GREENOUGH. (IX²)
- [5. Ancient Philosophy, as set forth by Cicero (De Finibus; Academica). *Half-course. Tu., Th., Sat., at 11 (first half-year).* Professor GREENOUGH.] (IX¹)
- Omitted in 1891-92.
- [10. Pliny (Letters). *Half-course. Three times a week for a half-year.* Professor LANE.]
- Omitted in 1891-92.

For Graduates and Undergraduates.

- 6¹. The Reign of Tiberius. — The Annals of Tacitus (Books I.-VI.) and Suetonius' Life of Tiberius, with lectures on the institutions of the early empire. *Half-course. Mon., Wed., Fri., at 10 (first half-year).* Professor SMITH. (II¹)
- 6². Roman Society in the first century. — The principal Satires of Juvenal, with selected Epigrams of Martial. *Half-course. Mon., Wed., Fri., at 10 (second half-year).* Professor SMITH. (II²)
- Courses 4, 5, 6¹, and 6² are adapted for students who have already taken Course 1 or 2. Courses 4 and 6¹ will be found useful as an introduction to Course 6².
7. Practice in Latin expression and style. — Study of selections from classical prose as models. — Translation into Latin prose. *Half-course. Fri., at 9.* Professor GREENOUGH. (I.)
- Course 7 is open to students who have passed in Course 3, or who otherwise satisfy the Instructor that they are properly qualified. Additional advanced instruction in writing Latin will be given by the Instructor to students who desire it.
- 8¹. Plautus. — Cicero (Brutus). *Half-course. Mon., Wed., Fri., at 11 (first half-year).* Professor LANE. (III¹)
- 8². Lucretius. — Catullus. *Half-course. Mon., Wed., Fri., at 11 (second half-year).* Professor LANE. (III²)
- Courses 8¹ and 8² are adapted for students who have taken Courses 6¹ and 6², and are important for candidates for Final Honors in Classics.
11. History of Latin Literature. — Lectures, with direction of the students' private reading. *Tu., Th., Sat., at 11.* Professor SMITH. (IX.)

*² For courses especially designed for Graduates, see under Classical Philology.

CLASSICAL PHILOLOGY.**Primarily for Undergraduates.**

1. General Introduction to Classical Philology. Lectures by Instructors in the Department. *Half-course. Mon., Wed., Fri., at 3.30, (first half-year).* (VI.)

This course may be advantageously taken in the Freshman or Sophomore year.

Primarily for Graduates.**THE SEMINARY.**

DIRECTORS FOR 1891-92: Professor SMITH and Dr. TARBELL.

The design of the Seminary is to afford training in philological criticism and research. The meetings, which are held twice a week, each session occupying an hour and a half, are ordinarily devoted to the text-criticism and interpretation of Greek and Latin authors. Public meetings, at which the members present for discussion theses on topics in Classical Philology, take the place of the ordinary meetings several times in the year. In the conduct of these meetings the Directors have the coöperation of other Classical instructors. The public meetings are open to all instructors and students in the department.

Application for admission to the Seminary should be made to the Directors. This should be done, whenever practicable, before the Summer vacation, in order that the necessary books may be procured in time.

The authors selected for 1891-92 are Euripides (Hippolytus) and Juvenal, and the meetings will be held on *Tuesdays and Thursdays, from 2.30 to 4 o'clock.*

In all of the following courses a portion of the work consists of research on the part of the students; and in Courses 22 and 26 the work is exclusively of that character.

20. Greek and Latin Comparative Philology. *Mon., Wed., Fri., at 12.* Professors GREENOUGH and LANMAN. (IV.)

21. Introduction to Greek Epigraphy and Palaeography. — Historical Inscriptions and Facsimiles of representative Mss. — Lectures and practical exercises. *Tu., Th., Sat., at 1.30.* Professor WRIGHT. (XIV.)

22. Latin Grammar. — Quintilian (Book I.). — Aulus Gellius. — Latin Inscriptions (Allen's Early Latin Remnants). — Discussions of points of grammar, pronunciation, &c. *Half-course. Th., at 1.30.* Professor LANE. (XIV.)
25. The Poetics and parts of the Rhetoric of Aristotle, with studies of the Greek poets for illustration. *Half-course. Tu., Th., at 10 (second half-year).* Professor GOODWIN. (VIII.)
23. The Athenian Expedition to Sicily in 415–413 B.C., studied in connection with the Sixth and Seventh Books of Thucydides and other authorities on the history of Sicily. *Half-course. Tu., Th., at 12 (second half-year).* Professor GOODWIN. (X¹.)
24. The Constitutional History of Athens and the Judicial Process of the Athenian Courts. *Half-course. Tu., Th., at 12 (first half-year).* Professor GOODWIN. (X².)
26. The Private Life of the Romans, chiefly as illustrated by works of art. — Study of special topics. *Mon., Wed., at 2.30.* Professor GREENOUGH. (V.)

For the year 1892–93 the following announcements are provisionally made:—

The Greek Religion and Worship. Professor ALLEN.
The Roman Drama. Professor ALLEN.

ENGLISH.

Primarily for Undergraduates.

- A. Rhetoric and English Composition. — A. S. Hill's Rhetoric. — Lectures on Rhetoric and on English Literature. — Written exercises and oral discussions. *Tu., Sat., at 12, and a third hour to be appointed by the Instructors.* Professors A. S. HILL and BRIGGS, and Messrs. LATHROP, FLETCHER, and HURLBUT. (X.)
Course A is prescribed for Freshmen.
- B. Twelve Themes. — Lectures and discussions of themes. *Tu., at 1.30 (half-hour).* Asst. Professor WENDELL and Messrs. GATES, CAREY, LATHROP and HURLBUT.
Course B is prescribed for Sophomores who have passed in Course A. It is open to those students only who have passed in Course A.
- C. Forensics. — Lectures on Argumentative Composition. — A brief based on a master-piece of argumentative composition. — Five

forensics, preceded by briefs. — Discussions of briefs and of forensics. I., *Tu., Th., at 1.30*; II., *Tu., Th., at 3.30*. Messrs. FLETCHER, HIGHT, and DAVIS.

Course C is prescribed for Juniors who have passed in Courses A and B. It is open to those students only who have passed in Courses A and B.

12. English Composition. *Mo., Wed., Fri., at 11*. Asst. Professor WENDELL and Dr. PHELPS. (III.)

Course 12 is open to those who have passed in Courses A and B, but to such Juniors only as have attained Grade C in the latter course.

- [*18. Argumentative Composition. — Eight forensics preceded by briefs. — Lectures and conferences. *Half-course*.]

Omitted in 1891-92.

Course 18 is open to those only who have passed with credit in Course C.

- *6. Oral Discussion of Topics in Political Economy and History. *Half-course*. *Th., from 3.30-5.30*. Asst. Professors TAUSSIG and HART, and Mr. HAYES. (XII.)

Course 6 is open to Seniors only.

- *10. Elocution. *Half-course*. *Mon., Fri., I. at 12 and II. at 3.30*. Mr. HAYES.

Course 10 is open to those only who are approved by the instructor as having already attained some proficiency in Elocution.

- 3¹. Anglo-Saxon. — Sweet's Anglo-Saxon Reader. *Half-course*. *Mon., Wed., Fri., at 11 (first half-year)*. Professor CHILD. (III'.)

Course 3¹ requires no previous knowledge of Anglo-Saxon. It is given in alternate years.

- [11. English Literature. — Bacon. — Milton. Professor CHILD.] (IV.)
Omitted in 1891-92.

- [7. English Literature of the Eighteenth Century. *Half-course*. Professor A. S. HILL.] (XII.)
Omitted in 1891-92.

8. English Literature. — Poets of the Nineteenth Century. *Half-course*. *Tu., Th., at 3 (first half-year)*. Professor A. S. HILL. (XII'.)

9. English Literature. — Prose Writers of the Nineteenth Century. *Half-course*. *Fri., at 3*. Mr. GATES. (VI.)

For Graduates and Undergraduates.

- *5. English Composition (advanced course). *Mon., Wed., Fri., at 11*. Professor A. S. HILL. (III.)

With the consent of the instructor, Course 5 may be taken in two successive years.

1. English Literature. — Chaucer. *Mon., Wed., Fri., at 9.* Asst. Professor KITTREDGE. (I.)

2. English Literature. — Shakspeare. *Mon., Wed., Fri., at 10.* Professor CHILD. (II.)

Course 2 may be taken in two successive years.

13. Literary Criticism in England since the Sixteenth Century. *Half-course. Mon., at 1.30.* Mr. FLETCHER. (XIII.)

Primarily for Graduates.

[19. Historical English Grammar. *Half-course. Three times a week (second half-year).* Asst. Professor KITTREDGE.]

Omitted in 1891-92.

[16. History and Principles of English Versification. *Half-course. Th., at 12.* Professor BRIGGS.] (X.)

Omitted in 1891-92.

3^d. Anglo-Saxon Poetry. *Half-course. Mon., Wed., Fri., at 11 (second half-year).* Asst. Professor KITTREDGE. (III^d.)

[4. Early English. — Old English literature from 1200 to 1450. — Mätzner's *Altenglische Sprachproben. Mon., Wed., Fri., at 11.* Professor CHILD and Asst. Professor KITTREDGE.] (III.)

Open to those only who are acquainted with Anglo-Saxon.

Omitted in 1891-92.

[14. English Literature. — The Drama from the Miracle Plays to the Closing of the Theatres. *Half-course. Wed., at 12.* Mr. BAKER.] (IV.)

Open to those only who take or have taken Course 2.

Omitted in 1891-92.

17. English Literature of the Elizabethan period. *Half-course. Wed., at 12.* Asst. Professor WENDELL. (IV.)

15. English Literature of the Seventeenth Century. *Half-course. Tu., Th., at 9 (second half-year).* Professor BRIGGS. (VII.)

COURSES OF RESEARCH.

20. During the year 1891-92 the Instructors in English will hold themselves ready to assist and advise competent graduates who may propose plans of special study which shall meet the approval of the department.

GERMAN.**Primarily for Undergraduates.**

A student who wishes to elect any of the higher courses in German, must consult the Instructor in advance. Before making their choice, students should read, in the descriptive pamphlet of the German department, the full description of the courses they wish to elect.

- A. Elementary Course.**—Grammar.—Translation from German into English, and elementary exercises in translating into German. *Three times a week.* Asst. Professor SCHILLING, Mr. NICHOLS, and Dr. POLL. (XII.)

Course *A* is equivalent to the Elementary German of the admission requirements, and is prescribed for Freshmen who did not present German in their examination for admission, and do not elect Course *B*.

- B. Elementary Course.** — Grammar. — Composition. — Translation and reading at sight. — Selections in Prose and Poetry. (*Five times a week, counting as a course and a half.*) *Mon., Wed., Fri., at 10. Tu., Th., at 3.* Dr. POLL. (II.)

Course *B* may be substituted for Course *A* by any Freshman for whom Course *A* is prescribed. It is practically equivalent to Courses *A* and *1a* combined.

- C. Intermediate Course.** — Grammar. — Composition. — Translation and reading at sight. — Selections from the Writers of the Eighteenth and Nineteenth Centuries. *Mon., Wed., Fri., at 11.* Asst. Professor SCHILLING and Mr. NICHOLS. (III.)

Course *C* is intended for Freshmen who passed the examination in Elementary German for admission. It cannot be taken by a student who has already had Course *A* or *B*.

- 1a. Writers of the Nineteenth Century.** — German Prose, Poetry and Drama. — Composition. — Reading at sight. *Mon., Wed., Fri., at 11.* Asst. Professor BARTLETT. (III.)

- 1b. German Prose.** — Subjects in History and Biography. — Composition. — Reading at sight. *Tu., Th., Sat., at 11.* Asst. Professor VON JAGEMANN. (IX.)

Courses *B*, *C*, *1a*, and *1b* are introductory to Courses 2, 3, 4, and 6. Courses *1a* and *1b* are parallel courses, and are intended for students who have had Course *A*. No student is allowed to take both of them, and they are not open to a student who presented German for admission, or who has had a College elective course in German.

In Course 1b a large amount will be read, but less attention will be paid to Grammar and Composition than in Course 1a, and the course is especially adapted to those students who wish to acquire facility in reading German in preparation for the use of the language in History and other College studies.

- 1c. German Prose. — Subjects in Natural Science. — Reading at sight. *Tu., Th., Sat., at 9.* Mr. NICHOLS. (VII.)

Course 1c is intended for students who have had Course A or who presented Elementary German for admission. It may also be taken (to count as a half-course only) by students who take or have taken Course B, C, 1a, or 1b; or who presented Advanced German for admission.

- E. German Grammar and practice in writing German. *Half-course.* *Th., at 2.30.* Asst. Professor SCHILLING and Dr. POLL. (XI.)

Course E is intended for students who have already had one elective course in German. It cannot be taken except in addition to some other elective course in German. It may be taken advantageously with Course 2, 3, or 4.

2. Lessing and the German Drama. — Practice in writing German. *Mon., Wed., Fri., at 12.* Asst. Professor FRANCKE. (IV.)

3. Schiller and his Contemporaries. — Practice in writing German. *Mon., Wed., Fri., at 10.* Asst. Professor BARTLETT. (II.)

4. Goethe and the Romantic School. — Practice in writing German. *Tu., Th., Sat., at 10.* Asst. Professor VON JAGEMANN. (VIII.)

Courses 2, 3, and 4 are introductory to Courses 5, 8, 9, 10, and 11, and no two of them will count as *full courses* for the same student. A student who takes or has taken one of them may take one other as a *half-course* only. Any student who elects any one of these courses may, if he is found deficient in knowledge of German Composition, be required by the Instructor to take Course E in addition.

6. German Prose (advanced course). — Subjects in History, Literature, and Philosophy. — Reading at sight. *Half-course.* *Mon., Fri., at 1.30.* Asst. Professor SCHILLING. (XIII.)

In Course 6 a very large amount will be read, the purpose of the course being to prepare the student to read difficult German at sight. It is especially adapted to those students who have taken Course 1b, but may also be taken by other students who have not had more than one elective course in German.

5. General History of German Literature. — Lectures, with collateral reading. *Mon., Wed., Fri., at 9.* Asst. Professor FRANCKE. (I.)

For Graduates and Undergraduates.

8. Nibelungenlied. — Kudrun. — Iwein. — Parzival. — Walther von der Vogelweide. — Translation into Modern German. — Lectures and theses. *Tu., Th., at 1.30.* Asst. Professor VON JAGEMANN.

(XIV.)

9. German Literature and Art during the Era of the Reformation. — Luther. — The Humanists. — Hans Sachs. — Holbein. — Dürer. — Lectures, reading, and theses. *Half-course. Mon., Wed., Fri., at 3.30 (first half-year).* Asst. Professor FRANCKE. (VI.)

- [10. Literary and aesthetic criticism during the classic period of German Literature. — Lectures, reading, and theses. *Half-course. Mon., Wed., Fri., at 3.30 (first half-year).* Asst. Professor FRANCKE.]

Omitted in 1891-92.

(VI.)

11. The political tendencies in German Literature of the Nineteenth Century. — The Poets of the Wars of Liberation. — Heine, Gutzkow, Freiligrath. — The Revolution of 1848. — The Struggle for National Consolidation. — Lectures, reading, and theses. *Half-course. Mon., Wed., Fri., at 3.30 (second half-year).* Asst. Professor FRANCKE. (VI.)

Courses 2, 3, 4, 5, 8, 9, 10, and 11 are conducted in German.

Primarily for Graduates.

- 20a. Critical Study of selected topics in the History of German Literature. Asst. Professor FRANCKE.

- 20b. Critical Study of Schiller's Life and Works. Asst. Professor BARTLETT.

- 20c. Lessing as Critic. *Half-course.* Mr. NICHOLS.

See also Germanic Philology 17.

SUMMER COURSE.

For a summer course in German, which can be counted as a half-course towards the degrees of A.B. and S.B., see p. 47.

GERMANIC PHILOLOGY.**Primarily for Graduates.**

- [12. Gothic. *Half-course. Once a week.* Asst. Professor VON JAGEMANN.]
Omitted in 1891-92.
13. Icelandic (Old Norse). — Selections from the Sagas and the Elder Edda. *Mon., Fri., at 12; Wed., at 4.30.* Asst. Professor KITTREDGE. (IV.)
14. Old Saxon. *Half-course. Once a week.* Asst. Professor VON JAGEMANN.
15. Old High German. *Half-course. Once a week.* Asst. Professor VON JAGEMANN.
- [16. Germanic Mythology. *Half-course. Mon., Wed., Fri., at 11 (first half-year).* Asst. Professor KITTREDGE.] (III.)
Omitted in 1891-92.
17. Middle High German (advanced course). — Critical study of a text. *Half-course. Once a week.* Asst. Professor VON JAGEMANN.
- [18. Historical Grammar. — Introduction to the study of Germanic Philology. *Half-course. Once a week.* Asst. Professor VON JAGEMANN.]
Omitted in 1891-92.
19. The Faust legend from Marlowe to Goethe. *Half-course. Once a week.* Asst. Professor FRANCKE.

FRENCH.

A student who wishes to elect any course in French must consult the Instructor in advance. Before making their choice students should read in the descriptive pamphlet of the French department, the full description of the courses they wish to elect. The elective courses, unless otherwise stated, are conducted in French.

Primarily for Undergraduates.

- A. Elementary Course. — French Prose. — Chardenal's First and Second French Courses. I. *Mon., Fri., at 10; II. Mon., Fri., at 1.30; I., II., Tu., at 3.30.* Asst. Professor DE SUMICHEAST, Dr. MARCOU, and Mr. HENCKELS. (XII.)
- Course A is equivalent to the Elementary French of the admission requirements, and is prescribed for Freshmen who did not present French in their examination for admission.

- 1a. Grammar, reading, and composition. — Dumas. — About. — George Sand. — Sandeau. — La Fontaine. *Tu., Th., Sat., at 10.* Asst. Professor DE SUMICHRAST, Dr. MARCOU, Mr. DANION, and Mr. HENCKELS. (VIII.)

- 1b. Reading at sight of French Prose. — Grammar. — Translation from French to English and from English to French. *Tu., Th., Sat., at 9.* Asst. Professor SANDERSON. (VII.)

Courses 1a and 1b are parallel courses, and cannot both be taken by the same student; they are both introductory to Course 2. Course 1b, however, is more especially designed for those students who do not intend to pursue their French studies any farther. Students intending to enter Course 2 next year will do better to select Course 1a. Both courses are intended for students who have completed Course A or its equivalent. They are not open to students who presented Advanced French for admission. Some sections in each course are conducted in English at the beginning of the year.

2. French Prose and Poetry. — La Fontaine. — Corneille. — Racine. — Molière. — Beaumarchais. — Alfred de Musset. — Balzac. — Historical Grammar. — Composition. *Mon., Wed., Fri., at 10.* Asst. Professor SANDERSON. (II.)

3. Practice in writing and speaking French (elementary course). *Half-course.* I. *Tu., Th., at 2.30;* II. *Tu., Th., at 3.30.* Mr. DANION. (XII.)

Course 3 may be taken in addition to Course 1.

4. Practice in writing and speaking French (intermediate course). *Half-course.* I. *Tu., Th., at 2.30;* II. *Tu., Th., at 3.30.* Asst. Professor DE SUMICHRAST and Mr. HENCKELS. (XII.)

Course 4 may be taken in addition to Course 2.

5. Practice in writing and speaking French (advanced course). — Oral discussions. *Half-course.* *Tu., Th., at 3.30.* Dr. MARCOU. (XII.)

Course 5 may be taken in addition to Course 6, 7, 8, 9, 10, or 13. It may be taken in two successive years.

Of Courses 3, 4, and 5, only *two half-courses* can be counted towards the degree.

6. General view of French Literature. — Théâtre classique. — Bossuet. — Voltaire. — Rousseau. — Victor Hugo. — Lectures, reading, and themes. *Mon., Wed., Fri., at 9.* Professor BÔCHER and Asst. Professor DE SUMICHRAST. (I.)

For Graduates and Undergraduates.

7. French Literature in the Nineteenth Century. — Lectures, themes, and collateral reading. *Mon., Wed., Fri., at 3.30.* MR. DANION.

(VI.)

- [8. French Literature in the Eighteenth Century. — Lectures, themes, and collateral reading. *Tu., Th., Sat., at 11.*] (IX.)

Omitted in 1891-92; to be given in 1892-93.

Courses 7 and 8 are given in alternate years.

9. French Literature in the Seventeenth Century. — Lectures, themes, and collateral reading. *Tu., Th., Sat., at 9.* Professor BÔCHER and Asst. Professor DE SUMICHRABT. (VII.)

- [10. French Literature in the Sixteenth Century. — Lectures, themes, and collateral reading. *Tu., Th., Sat., at 9.* Professor BÔCHER and Asst. Professor DE SUMICHRABT.] (VII.)

Omitted in 1891-92; to be given in 1892-93.

Courses 9 and 10 are given in alternate years.

Course 6 and one of the Courses 7, 8, 9, 10 may be taken in the same year, with the approval of the Department, Course 6 then counting as a half-course.

Primarily for Graduates.

11. French Literature from the Thirteenth to the end of the Fifteenth Century. — Lectures, themes, and collateral reading. *Mon., Fri., at 10, and (at the pleasure of the Instructor) Wed., at 10.* DR. MARCOU. (II.)

- [12. French Literature from the invasion of the barbarians to the Thirteenth Century. — Lectures, themes, and collateral reading. *Mon., Fri., at 10, and (at the pleasure of the Instructor) Wed., at 10.* DR. MARCOU.] (II.)

Omitted in 1891-92; to be given in 1892-93.

Courses 11 and 12 are given in alternate years.

COURSES OF RESEARCH.

20. During the year 1891-92 the Instructors will hold themselves ready to assist and advise competent graduates who may propose plans of special study in French Literature which shall meet the approval of the department.

ITALIAN.**Primarily for Undergraduates.**

1. Elements of Grammar. — Selections from modern authors. — Elementary exercises in writing Italian. *Tu., Th., Sat., at 1.30.*
Asst. Professor SHELDON. (XIV.)
See note under Spanish 1.
2. Literature of the fifteenth and sixteenth centuries. — Torquato Tasso. — Ariosto. — Machiavelli. — Pulci. — Reading at sight. — Syntax and prose composition, with reading of modern texts. *Tu., Th., Sat., at 9.* Asst. Professor SHELDON. (VII.)
Course 1 is open to those only who have not before taken a course in Italian. Courses 1 and 2 cannot be taken together.

Primarily for Graduates.

3. "Il Trecento" (selections from Boccaccio, Petrarca, Dante). — Early Italian (Nannucci's *Manuale della Letteratura del Primo Secolo*). — Outline of the History of Italian Literature. — Composition. *Mon., Wed., Fri., at 2.30.* Professor NASH. (V.)
This course is conducted chiefly in Italian.
4. Literature and the Fine Arts in Italy during the Middle Ages and the Renaissance, with special study of Dante. *Tu., Th., Sat., at 11.* Professor NORTON. (IX.)
In this course a knowledge of Italian is required.

SPANISH.**Primarily for Undergraduates.**

1. Elements of Grammar. — Gil Blas. — El Eco de Madrid. — Elementary exercises in writing Spanish. *Mon., Wed., Fri., at 1.30.* Professor NASH. (XIII.)
Students are not permitted to elect Italian 1 and Spanish 1 in the same year.
2. Modern Literature (novels, plays, etc.). — Reading at sight. — Advanced Grammar (Syntax). — Conversation. — Prose composition. *Mon., Wed., Fri., at 11.* Professor NASH. (III.)
Course 1 is open to those only who have not before taken a course in Spanish. Courses 1 and 2 cannot be taken together.
Students proposing to take Course 2 should consult the Instructor in advance.

Primarily for Graduates.

3. Literature of the Sixteenth and Seventeenth Centuries (selections from Calderon, Lope de Vega, and Cervantes). — Early Spanish (the Poem of the Cid). — Outline of the History of Spanish Literature (lectures, with collateral reading). *Mon., Wed., Fri., at 10.* Professor NASH. (II.)

This course is conducted chiefly in Spanish.

ROMANCE PHILOLOGY.**Primarily for Graduates.**

2. Phonetics, with special reference to the explanation of sound-changes in the Romance languages. *Half-course. Tu., Th., at 2.30 (second half-year).* Asst. Professor SHELDON. (XI².)
3. Old French. — Phonology and Inflexions. — The oldest texts. — La Chanson de Roland. — Joinville. — Chrétien de Troies. — Aucassin et Nicolette. *Tu., Th., at 10.* Asst. Professor SHELDON. (VIII.)
- [4. Provençal. — Language and Literature, with selections from the poetry of the Troubadours. *Half-course. Tu., Th., at 2.30 (second half-year).* Asst. Professor SHELDON.] (XI².)
- Omitted in 1891-92; to be given in 1892-93.
5. Low Latin. *Half-course. Tu., Th., at 2.30 (first half-year).* Asst. Professor SHELDON. (XI¹.)
- To be omitted in 1892-93.
- [6. Old French Dialects, with special reference to Anglo-Norman. *Tu., Th., at 10.* Asst. Professor SHELDON.] (VIII.)
- Omitted in 1891-92; to be given in 1892-93.
7. The French Element in English. *Half-course. Sat., at 10, and a second hour at the pleasure of the Instructor.* Asst. Professor SHELDON. (VIII.)

COURSES OF RESEARCH.

20. In addition to the foregoing courses, opportunities will be afforded to competent students for the investigation of special subjects in Romance Philology under the guidance of the Instructor.

COMPARATIVE LITERATURE.**For Graduates and Undergraduates.**

1. The History of Classical Learning in Europe from the Fifth to the Fifteenth Century, considered with regard to the relation of modern to ancient culture. — Lectures and Theses. *Tu., Th., at 3.30.* Asst. Professor MARSH. (XII.)
2. Comparative European Literature in the Middle Ages, with especial reference to France and her influence. — Lectures and Theses. *Tu., Th., Sat., at 12.* Asst. Professor MARSH. (X.)

MODERN LANGUAGE CONFERENCE.

In order to promote advanced study and research in the modern languages and literatures, and to bring together instructors and students engaged in the various branches of modern Philology, the departments of English, German, French, and Romance Philology have established a Modern Language Conference. The Conference will meet from time to time throughout the College year for the presentation and discussion of papers of general interest. The meetings will be previously announced in the Calendar.

PHILOSOPHY.**Primarily for Undergraduates.****INTRODUCTORY COURSE.**

1. General Introduction to Philosophy. — Logic, by Professor PALMER; Psychology, by Professor JAMES; Metaphysics and History of Philosophy, by Professor ROYCE. — Jevons' Elementary Lessons in Logic; James's Outlines of Psychology; Royce's Spirit of Modern Philosophy. *Mon., Wed., Fri., at 2.30.* (V.)

For Graduates and Undergraduates.**SYSTEMATIC COURSES.**

2. Psychology. — James' Principles of Psychology. — Recitations, theses, lectures, and illustrative experiments. *Mon., Wed., Fri., at 12.* Professor JAMES. (IV.)

3. **Cosmology.** — Discussion of the principal problems of the Philosophy of Nature, with special reference to the modern doctrine of Evolution. — Lectures and theses. *Mon., Wed., Fri., at 1.30.* Asst. Professor ROYCE. (XIII.)
4. **Ethics.** — The Theory of Morals, considered constructively. — Lectures, theses, and private reading. *Mon., Wed., Fri., at 3.30.* Professor PALMER. (VI.)
- [5. **The Ethics of the Social Questions.** — The questions of Charity, Divorce, the Indians, Temperance, and the various phases of the Labor Question (Socialism, Communism, Arbitration, Coöperation, etc.), as problems of practical Ethics. — Lectures, essays, and practical observations. *Tu., Th., at 10, and voluntary conferences on Sat. at 10.* Professor F. G. PEABODY.] (VIII.)
Omitted in 1891-92.
- *6. **The Psychological Basis of Religious Faith.** *Half-course.* *Tu., at 9.* Professor EVERETT. (VII.)
Course 6 can be counted for the degree only by students who also take Course 8.
7. **The Content of Christian Faith.** — Lectures and essay. *Mon., Wed., Fri., at 11.* Professor EVERETT. (III.)

HISTORICAL COURSES.*

10. **Descartes, Spinoza, and Leibnitz.** — Lectures, private reading, discussion, and theses. *Tu., Th., Sat., at 12.* Dr. SANTAYANA. (X.)
11. **English Philosophy from Hobbes to Hume.** — Lectures, theses, and private reading. *Tu., Th., Sat., at 11.* Dr. SANTAYANA. (IX.)
12. **The History of German Thought from 1770-1830.** — Kant's Critical Philosophy, Fichte, Schelling, Hegel. — Lectures, theses, and private reading. *Mon., Wed., Fri., at 11.* Asst. Professor ROYCE. (III.)
13. **Comparative Religion.** — Studies in the Comparative History of Religions, particularly the Vedic Religion, the Hindu Philosophies, Buddhism, Mazdaism, and the Chinese Religions. *Half-course.* *Th., Sat., at 9.* Professor EVERETT. (VII.)
- [14. **The Philosophy of Religion; its rise, problem, and results.** — Pfeiderer's Philosophy of Religion. — Caird's Philosophy of Religion. — Lectures and a thesis. *Half-course.* *Wed., at 10.* Professor F. G. PEABODY.] (II.)
Omitted in 1891-92.

* As the student in these courses may have a large amount of reading to do, the third hour weekly will be at the option of the Instructor.

COURSES OF RESEARCH.

- 20a. Psychological Seminary. — Laboratory exercises and special investigations for advanced students. The subjects and hours will be determined after consultation with those who apply. Professor JAMES.
- 20b. Metaphysical Seminary. — Subject for the year: The Development of the Hegelian System. — Hegel's *Logic* or *Phenomenology*; lectures, papers, and original research. *Tu.*, 7.30–9.30 P.M. Asst. Professor ROYCE.
- 20c. Ethical Seminary. — Subject for the year: Greek Ethics. *Sat.*, 10–12. Professor PALMER.
- 20d. Questions in Ethics for individual investigation. Hours arranged with the Instructor. Professor PALMER.
- 20e. Studies in Scholastic Philosophy. *Two hours a week.* Dr. SANTAYANA.

TEACHERS' COURSES.

For courses on the History, Theory and Art of Teaching, by Asst. Professor HANUS, and on Psychology applied to Education, by Professor JAMES, see p. 000.

POLITICAL ECONOMY.

Primarily for Undergraduates.

1. *First half-year*: Mill's Principles of Political Economy.
Second half-year: *Division A* (Theoretical): Mill's Principles of Political Economy. — Cairnes's Leading Principles of Political Economy. *Division B* (Descriptive): Lectures on Finance, Labor and Capital, Coöperation. — Hadley's Railroad Transportation. — Dunbar's Chapters on Banking. *Mon., Wed., Fri., at 9.* Asst. Professor TAUSSIG, Mr. COLE, and Mr. CUMMINGS. (I.)
 All students in Course 1 will have the same work during the first half-year, but will be required in January to make their election between divisions A and B for the second half-year. The work in division A is required for admission to Course 2.
4. Economic History of Europe and America since the Seven Years' War. — Lectures and written work. *Mon., Wed., Fri., at 1.30.* Mr. COLE. (XIII.)

Course 4 requires no previous study of Political Economy.

For Graduates and Undergraduates.

- *2. Economic Theory. — Examination of selections from Leading Writers.
Mon., Wed., Fri., at 2.30. Asst. Professor TAUSSIG. (V.)
 - *3. The Principles of Sociology. — Development of the Modern State,
and of its Social Functions. *Tu., Th., at 3.30, and a third
hour at the pleasure of the Instructor.* Mr. CUMMINGS. (XII.)
 - *5. Railway Transportation. — Lectures and written work. *Half-course.*
Tu., Th., Sat., at 1.30 (second half-year). Asst. Professor
TAUSSIG. (XIV².)
 - *6. History of Tariff Legislation in the United States. *Half-course.*
*Tu., Th., at 2.30, and a third hour at the pleasure of the In-
structor (first half-year).* Asst. Professor TAUSSIG. (XI¹.)
 - *8. History of Financial Legislation in the United States. *Half-course.*
*Tu., Th., at 2.30, and a third hour at the pleasure of the In-
structor (second half-year).* Professor DUNBAR. (XI².)
 - *7. The Theory and Methods of Taxation, with special reference to local
taxation in the United States (*first half-year*).
Banking, and the History of the leading Banking Systems (*second
half-year*).
Tu., Th., Sat., at 10. Professor DUNBAR. (VIII.)
- Course 7 can be taken for either half-year as a half-course.
In 1892-93 the subject of Course 7 for the second half-year will be
Financial Administration and Public Debts.

Primarily for Graduates.**COURSES OF RESEARCH.**

- 20. In 1890-91 Professors DUNBAR and TAUSSIG will guide competent
students in investigations of topics to be selected after confer-
ence with them. Graduate students who take the courses 'for
Graduates and Undergraduates' are encouraged to carry on special
investigations in the subjects there treated.

HISTORY.**For Undergraduates.**

- 1. Mediaeval and Modern European History (introductory course). *Mon.,
Wed., Fri., at 9.* Asst. Professor CHANNING. (I.)

For Juniors and Seniors Course 1 will be counted only as a half-
course. Students who presented American and English history
for admission to College, must attain Grade C in this course in
order to have it counted for the degree.

2. Constitutional Government (elementary course). *Half-course. Tu., Th., Sat., at 9 (first half-year).* Professor MACVANE. (VII.)

Course 2 is recommended for students who expect to take Course 11, 12, or 13. It is not open to students who have taken either of those courses, nor will it be counted towards the degree for Seniors.

Courses 1 and 2 are not counted for Honors or for Honorable Mention.

- [3. Roman History to the reign of Diocletian. *Mon., Wed., Fri., at 10.* Mr. BENDELARI.] (II.)

Omitted in 1891-92.

In order to be admitted to any of the following courses, students must have passed satisfactorily in a suitable introductory course, or must otherwise satisfy the Instructor of their fitness to proceed.

4. The Middle Ages, from Charlemagne to Dante. — Formation of the European States. — The Holy Roman Empire. — The Roman Papacy as the controlling force in European life. *Half-course. Tu., Th., Sat., at 9 (second half-year).* Professor EMERTON. (VII.)

Course 4 will be useful for students who wish to continue the study of Mediaeval History begun in Course 1. It is intended to supplement Course 1, and to prepare for any study of later European History.

5. History of Western Europe from the Germanic Invasions to the Treaty of Verdun. *Mon., Wed., Fri., at 2.30.* Mr. BENDELARI. (V.)

- [6. The First eight Christian centuries. — The Conflict of Christianity with Paganism. — Origin and development of the Roman Primacy to its Alliance with the Frankish State. — The Germanic nations as the basis of a new Christian civilization. *Tu., Th., at 2.30.* Professor EMERTON.] (XI.)

Omitted in 1891-92.

7. The Era of the Reformation in Europe from the rise of Italian Humanism to the close of the Council of Trent (1350-1563). *Tu., Th., at 2.30.* Professor EMERTON. (XI.)

8. History of France to the reign of Louis XIV., with especial reference to Institutions. *Tu., Th., at 1.30, and a third hour at the pleasure of the Instructor.* Dr. SNOW. (XIV.)

9. Constitutional History of England to the Sixteenth Century. *Mon., Wed., Fri., at 10.* Dr. GROSS. (II.)

11. European History during the Seventeenth Century and the first half of the Eighteenth. *Mon., Wed., Fri., at 12.* Mr. BENDELARI. (IV.)
 12. European History from the Middle of the Eighteenth Century. *Tu., Th., Sat., at 11.* Professor MACVANE and Asst. Professor CHANNING. (IX.)
 10. American History (to 1783). *Mon., Wed., Fri. at 11.* Asst. Professor CHANNING. (III.)
 13. Constitutional and Political History of the United States (1783-1865). *Tu., Th., Sat., at 12.* Asst. Professor HART. (X.)
 15. Elements of Public International Law.—History of Treaties. *Tu., Th., Sat., at 10.* Dr. SNOW. (VIII.)
- Students intending to take this Course are advised to take Courses 12 and 13 by way of preparation for it. Course 15 cannot be taken without the consent of the Instructor.

Primarily for Graduates.

The subjects numbered 21, 23, 25, 28, 29 in the following list are also treated in the courses offered to Undergraduates. Members of the Graduate School electing any of these subjects have the privilege of attending the lectures of the corresponding College course. The separate exercises of the Graduate School in these cases are intended for conference and for more advanced treatment of the subject.

21. Early Mediaeval Institutions. *Mon., Wed., Fri., at 2.30, and a fourth hour to be appointed by the Instructor.* Mr. BENDELARI.
22. The Sources and Literature of English Constitutional History. *Mon., at 2.30.* Dr. GROSS.
Course 22 may be taken as a half-course.
23. History of the Government and Institutions of France to the reign of Louis XIV. *Tu., Th., at 1.30, and a third hour to be appointed by the Instructor.* Dr. SNOW.
25. English Constitutional History from the Tudor period to the accession of George I. *Mon., Wed., Fri., at 12, and a fourth hour to be appointed by the Instructor.* Mr. BENDELARI.
26. History of American Institutions. *Th., at 3.30.* Asst. Professor CHANNING.
27. Government and Administration in the United States, national, state, and municipal. *Wed., Fri., at 9.* Asst. Professor HART.

28. History of Continental Europe (chiefly of France and Germany) since the Seven Years' War. *Tu., Th., Sat., at 11, and a fourth hour to be appointed by the Instructor (first half-year).* Professor MACVANE and Asst. Professor CHANNING.
29. Constitutional History of England since the accession of George III. *Tu., Th., Sat., at 11, and a fourth hour to be appointed by the Instructor (second half-year).* Professor MACVANE and Asst. Professor CHANNING.
30. Federal Government, historical and comparative. *Tu., Th., Sat., at 9 (first half-year).* Asst. Professor HART. (VII¹.)
31. Leading principles of Constitutional Law: selected cases, American and English. *Tu., Th., Sat., at 9 (second half-year).* Professor MACVANE. (VII².)
32. The historical development of International Law. *Tu., Sat., at 11.* Dr. SNOW.

20. COURSES OF RESEARCH.

I. Seminary in Mediaeval History.

- (a) Church and State. Professor EMERTON.
- (b) Municipal History. Dr. GROSS.
- (c) Political Institutions. Mr. BENDELARI.

II. Seminary in Modern History and Diplomacy.

- (d) Social History. Professor MACVANE.
- (e) English History in the Stuart Period. Mr. BENDELARI.
- (f) Diplomatic History. Dr. SNOW.

III. Seminary in American History. *Mon., at 7.30.* Asst. Professors CHANNING and HART.

THE HISTORICAL CONFERENCE.

Meetings of instructors and students engaged in Seminary work will be held at stated times for the reading of papers and for the discussion of matters of common interest.

Knowledge of German will be of advantage in any of the courses in History; and ability to make use of French text-books will be presumed.

NOTE. — For instruction in Semitic, Greek, and Roman history, see Courses 6, 12, 14, and 15 under Semitic Languages and History, Course 12 under Greek, Course 6¹ under Latin, and Course 23 under Classical Philology. Attention is also called to the following courses, as having a bearing on the study of history: Semitic 13, 16, Greek 11, German 9, 11, French 7-12, Italian 4, Philosophy 12, 13, Political Economy 3, 4, 5, 6, 7, 8, Roman Law, Fine Arts 3, 4, Music 3.

ROMAN LAW.**For Graduates and Undergraduates.**

History and Institutes of Roman Law. — Institutes of Justinian, including the Law of Inheritance, and Selections from the Institutes of Gaius. *Mon., Wed., Fri., at 9.* Mr. SCHOFIELD. (I.)

THE FINE ARTS.**Primarily for Undergraduates.**

1. Principles of Delineation, Color, and Chiaroscuro. — Lectures (*once a week*), with collateral reading. — Practice in drawing and in the use of water-colors. — Perspective. *Mon., Wed., Fri., at 2.30.* Mr. MOORE. (V.)
2. Principles of Design in Painting, Sculpture, and Architecture. — Lectures (*twice a week*), with collateral reading. — Practice in drawing and water-colors. *Mon., Wed., Fri., at 3.30.* Mr. MOORE. (VI.)

As a preparation for Course 2 it is necessary to have passed satisfactorily in Course 1.

For Graduates and Undergraduates.

- [3. Ancient Art. *Tu., Th., Sat., at 9.* Professor NORTON.] (VII.)
Onfitted in 1891-92.
4. Roman and Mediaeval Art, with special study of the Development of Gothic Architecture, and of the Revival of Art in Italy in the Thirteenth Century. *Tu., Th., Sat., at 9.* Professor NORTON. (VII.)

Courses 3 and 4 are given in alternate years.

See also Greek 13.

Primarily for Graduates.**COURSES OF RESEARCH.**

20. Professor NORTON will assist and direct advanced students in the study of special topics in the History of the Fine Arts; and will arrange a regular course for that purpose if five or more competent students should desire instruction in some portion of the subject.

MUSIC.**For Graduates and Undergraduates.**

1. Harmony. *Tu., at 2.30, Th., from 2.30-4.30.* Professor PAINE. (XI.)
Some proficiency in piano or organ playing is required of students who take Course 1. The course is open to Freshmen who, by examination, show sufficient talent and proficiency in music.
2. Counterpoint. *Mon., Fri., at 2.30.* Professor PAINE. (V.)
Course 2 requires a knowledge of Harmony.
3. History of Music, with analysis of the works of the great masters. *Half-course. Tu., at 3.30, and a second hour at the pleasure of the Instructor.* Professor PAINE. (XII.)
Course 3 requires a knowledge of Harmony and proficiency in piano playing.
- [*7. Instrumentation. *Half-course. Tu. at 3.30.* Professor PAINE.]
Omitted in 1891-92; to be given in 1892-93. (XII.)
Course 7 is open to advanced students only.

Primarily for Graduates.

- [5. Canon and Fugue. *Mon., Wed., at 3.30.* Professor PAINE.] (VI.)
Omitted in 1891-92; to be given in 1892-93.
This course is given alternatively with the following:—
6. Free Thematic Music. — Fugue in two voices. *Mon., Fri., at 3.30.* Professor PAINE. (VI.)
Courses 5 and 6 require a knowledge of Harmony and Counterpoint and proficiency in piano playing.

MATHEMATICS.**Primarily for Undergraduates.**

- A. Logarithms. — Plane Trigonometry, with its applications to Surveying and Navigation. *Half-course. Tu., Th., Sat., at 11 (first half-year).* Professor C. J. WHITE. (IX¹)
- B. Analytic Geometry (elementary course). *Half-course. Tu., Th., Sat., at 11 (second half-year).* Professor C. J. WHITE. (IX²)
- C. Analytic Geometry (extended course). *Mon., Wed., Fri., at 2.30.* Professor BYERLY. (V.)

- D. Algebra. Half-course. Tu., Th., Sat., at 1.30 (first half-year).**
 Dr. OSGOOD and Mr. BÔCHER. (XIV¹.)

There will be an advanced section in Course *D*, intended for students who have passed with credit in Algebra at the examination for admission, and who wish to make rapid progress in their mathematical studies.

- E. Solid Geometry. Half-course. Tu., Th., Sat., at 1.30 (second half-year).** Dr. OSGOOD and Mr. BÔCHER. (XIV².)

Courses *A*, *B*, *D* (advanced section), and *E* correspond to the Advanced Mathematical Studies in the same subjects embraced in the examination for admission to College.

Courses *B* and *C* require a previous knowledge of Plane Trigonometry; but *A* and *B* are commonly taken in the same year.

Course *C* may be taken by a beginner in Analytic Geometry as a full course for the year, or only as a half-course for the first half-year. It may be taken by a student who has passed in Analytic Geometry for admission or in Course *B*; but will count for such a student as a half-course only. A student who has taken Course *A* without Course *B* in his Freshman year may take Course *C* as a full course in a later year; but he cannot take any of the higher courses until he has taken *B* or *C*.

1. Spherical Trigonometry. — Applications of Spherical Trigonometry to Astronomy and Navigation. *Half-course. Wed., Fri., at 3.30 (first half-year).* Professor C. J. WHITE. (VI¹.)

Course 1 is open to Freshmen who have passed the admission examination in Plane Trigonometry.

2. Differential and Integral Calculus (first course). *Mon., Wed., Fri., at 11.* Professor BYERLY. (III.)

Course 2 is open to those only who have taken Course *B* or Course *C*. Candidates for Second-Year Honors may take Courses 2 and 3, or 2 and 5. Other courses may be accepted on special petition.

3. Analytic Geometry (higher course). *Tu., Th., Sat., at 11.* Mr. BÔCHER. (IX.)

Course 3 is intended for students who have taken Course *C*; but those who have taken Course *B* may elect it, if deemed qualified by the Instructor.

4. The Elements of Mechanics. *Tu., Th., Sat., at 9.* Dr. OSGOOD. (VII.)

Course 4 is intended for students who take or have taken Course 2.

For Graduates and Undergraduates.

5. Differential and Integral Calculus (second course). *Mon., Wed., Fri., at 11.* Professor C. J. WHITE. (III.)

6. Quaternions, with applications to Geometry and Mechanics. *Mon., Wed., Fri., at 12.* Professor J. M. PEIRCE. (IV.)
12. The Theory of Equations. *Half-course. Wed., Fri., at 3.30 (second half-year).* Professor C. J. WHITE. (VI.)
- [7. Higher Plane Curves. *Half-course. Tu., Th., at 11.* Professor J. M. PEIRCE.]
Omitted in 1891-92.
8. Analytic Mechanics. *Mon., Wed., Fri., at 10.* Professor BYERLY. (II.)
See note under Course 16 below.
- [9. Quaternions, with applications to Geometry and Mechanics (second course, succeeding Course 6). *Mon., at 12, Fri., 11-1.* Professor J. M. PEIRCE.] (IV.)
Omitted in 1891-92.
10. Trigonometric Series — Introduction to Spherical Harmonics. — Potential Function. *Tu., Th., Sat., at 12.* Professors BYERLY and B. O. PEIRCE. (X.)
13. The Theory of Functions (introductory course). *Mon., Wed., Fri., at 11.* Professor J. M. PEIRCE. (III.)
14. Higher Algebra. *Tu., Th., Sat., at 11,* Dr. OSGOOD. (IX.)

Primarily for Graduates.

11. Hydrostatics. — Hydrokinematics. — Force Functions and Velocity-Potential Functions and their uses. *Mon., Wed., Fri., at 10.* Professor B. O. PEIRCE. (II.)
This course is given alternately with Course 15.
16. Problems in the Mechanics of Rigid Bodies. *Mon., Wed., at 2.30.* Professor BYERLY. (V.)
Only one of the Courses 8 and 16 will be given in 1891-92.
17. The Elliptic Functions. *Tu., Th., at 10, and a third hour at the discretion of the Instructor.* Dr. OSGOOD. (VIII.)
- [15. Wave Motion. *Mon., Wed., Fri., at 10.* Professor B. O. PEIRCE.]
Omitted in 1891-92. See note under Course 11 above. (II.)
- [18. Finite Differences. — Theory of Numbers. — Calculus of Variations. — Least Squares. — Lectures by the students. *Once a week.* Professors J. M. PEIRCE, BYERLY, and B. O. PEIRCE.]
Omitted in 1891-92.
- [19. The Theory of Invariants.]
Omitted in 1891-92.

COURSES OF RESEARCH.

20. The work of the following courses will consist of investigation and reading, to be carried on by the students in the courses, under the guidance of the Instructors. Students will be expected to present their results from week to week in the form of lectures and theses.

- (a) Planetary Theory. Professor C. J. WHITE.
- (b) Bessel's and Lamé's Functions. Mr. BÔCHER.
- (c) The Theory of Substitutions. Dr. OSGOOD.
- (d) Topics in Analytic Geometry. Professor J. M. PEIRCE.
- (e) Topics in Quaternions. Professor J. M. PEIRCE.

ENGINEERING.

Primarily for Undergraduates.

1. Mechanical Drawing. — Descriptive Geometry. — Tinting, Isometric Drawing, Shades and Shadows, Perspective. *Mon., Wed., Fri., 1.30-3.30 or 2.30-4.30.* Messrs. WAIT and JOHNSON. (XIII.)

Course 1 is open to those who have studied Solid Geometry, or who take at the same time Mathematics E.

2. Surveying, Plotting, and Topographical Drawing. — Johnson's Theory and Practice of Surveying. — Geodesy. *Tu., Th., 1.30-4.30.* Mr. WAIT. (XIV.)

Course 2 is open to those who have studied Plane Trigonometry, and have taken, or take at the same time, Solid Geometry.

- *3. Stereotomy. — Applications of Descriptive Geometry to constructions in stone. — Preparation of Models. — Investigation of Arches. *Tu., Th., 1.30-4.30.* Mr. JOHNSON. (XIV.)

Course 3 is open to students who have taken Course 1.

- *4. Levelling. — Searle's Field Engineering. — Railroad Surveying, Location, and Construction. *Mon., Fri., 1.30-4.30.* Mr. WAIT.

Course 4 is open to students who have taken Course 2. (XIII.)

For Graduates and Undergraduates.

- *5. Graphical Statics. — Mechanics of Construction. — Building Materials, and their application to Structures. *Three times a week.* Mr. JOHNSON.

Course 5 is open to students who have taken Course 1, and take or have taken Courses 2 and 4 in Mathematics or their equivalent.

- *6. Applied Mechanics and Constructive Engineering. *Five times a week.*
Professor

Course 6 may count as the equivalent of two full courses.

Course 6 is open to students who have taken Course 5.

- 7¹. Water Supply, and Sanitary Engineering. *Half-course. Tu., Th.,
Sat., at 9 (first half-year).* Professor (VII¹.)

- *7². Practical Hydraulics and Hydraulic Engineering. *Half-course.
Three times a week (second half-year).* Professor

Course 7² is open to those only who have taken Mathematics 4, and take or have taken Course 6.

- *8. Designing. — Discussions of existing structures and working out of projects. *Mon., Wed., Fri., 11-1.* Professor CHAPLIN. (III.)

Course 8 is open to students who have taken Course 5, and who take or have taken Course 6.

SUMMER COURSES.

For summer courses in Engineering, which can be counted towards the degrees of A.B. and S.B., see p. 47.

PHYSICS.

Primarily for Undergraduates.

INTRODUCTORY LECTURES. — A course of lectures on the general principles of Physics, fully illustrated by experiments, will be given at some time between the December recess and the April recess. These lectures are designed especially for Freshmen, but are open to all members of the University. *Hours to be announced.* Professors TROWBRIDGE and B. O. PEIRCE and Asst. Professor HALL.

- B. Experimental Physics. Lectures (*Th., at 2.30*) and laboratory work (two hours). *Half-course.* Asst. Professor HALL and Mr. —. (XI.)

The laboratory exercises of Course B will be held on Tuesday, Wednesday, Thursday, Friday, and possibly Monday afternoons, either from 2 to 4 or from 3 to 5 o'clock.

Course B is substantially equivalent to the second alternative in the Elementary Physical Science of the requirements for admission. It is open to students who have not passed on this alternative nor taken in College any course in experimental physics.

- C. Experimental Physics.** — Measurements in Mechanics, Sound, Heat, Light, Electricity, and Magnetism. — Lectures and laboratory work, in four sections: I., *Mon., Wed., Fri., 9-11*; II., *Mon., Wed., Fri., 11-1*; III., *Tu., Th., Sat., 9-11*; IV., *Tu., Th., Sat., 11-1*. Messrs. SABINE and —. (XIII.)

Course *C* is substantially equivalent to the Advanced Physics of the requirements for admission. It is intended for those who wish simply to study accurate scientific methods, as well as for those who wish to prepare themselves for higher courses in physics, chemistry, or engineering. The course requires some previous practice in physical experimentation.

1. General Descriptive Physics. — Lectures (*Tu., Sat., at 10*) and laboratory work (two hours). Asst. Professor HALL. (VIII.)

The laboratory work of Course 1 may be done on *Tu., 11-1*, or *2-4* or on *Th., 9-11*.

Course 1 is arranged for students who wish to become acquainted with a wide range of physical phenomena, and with the means for exhibiting and applying such phenomena. It is intended for students who have taken Course *B* or who have passed in the second alternative of the Elementary Physics for admission, but may be taken by others who satisfy the Instructor of their fitness to profit by the course

For Graduates and Undergraduates.

3. Electrostatics, Electrokinematics, and parts of Electromagnetism. — Lectures (*Tu., at 12*) and laboratory work (six to eight hours per week). Professor B. O. PEIRCE and Mr. —. (X.)

Course 3 should be preceded by by Course *B* or *C*.

4. Electrodynamics, Magnetism, and Electromagnetism. — Lectures (*Tu., Th., at 10*) and laboratory work. Professor TROWBRIDGE. (VIII.)

Course 4 must be preceded by Course *C* or 3.

Courses 3 and 4 are adapted for students who take or have taken Mathematics 2 or its equivalent.

5. Light. — A general treatment of Optical Phenomena. — Lecture, *Th., at 5*, and laboratory work. Professor TROWBRIDGE.

Course 5 is adapted for students who have taken Mathematics 2 or its equivalent, and should be preceded by Course *B* or *C*.

6. Thermodynamics. *Half-course.* *Tu., Th., at 11 (first half-year).* Professor B. O. PEIRCE. (IX¹.)

Course 6 is adapted for students who have taken Mathematics 2 or its equivalent.

7. Heat Engines: the theory of their action and the principles of their economical operation, with practice in managing and testing them.
Half-course. Mon., Fri., 2.30-5.30 (second half-year). Asst. Professor HALL. (V^a.)

Course 7 is open to students who have taken Course 6, or who otherwise satisfy the Instructor of their fitness.

8. Dynamos: the theory of their action and the principles of their economical operation, with practice in managing and testing them.
Half-course. Mon., Fri., 2.30-5.30 (first half-year). Asst. Professor HALL. (V¹.)

Course 8 is open to students who have taken Course 4, or who otherwise satisfy the Instructor of their fitness.

Primarily for Graduates.

9. The Mathematical Theory of Electrostatics and Electrokinematics.
 Professor B. O. PEIRCE.
10. The Mathematical Theory of Electrodynamics and Electromagnetism.
 Asst. Professor HALL.

COURSES OF RESEARCH.

20. To competent students who have acquired the requisite knowledge and practice, opportunities are offered of pursuing under the guidance of the Instructors investigations of special topics as follows:—

- (a) Spectrum Analysis. *Mon., Tu., Wed., Th., Fri., Sat., 11-1.*
 Professor TROWBRIDGE.
- (b) Investigation of Problems in Mathematical Physics. Professor B. O. PEIRCE.
- (c) Electromagnetism and Heat Conduction. Asst. Professor HALL.

SUMMER COURSE.

For a summer course in Physics, which can be counted as a half-course towards the degrees of A.B. and S.B., see p. 47.

CHEMISTRY.

Primarily for Undergraduates.

- A. Elementary Chemistry (lectures). *Th., at 12 (first half-year).*
 Professor COOKE.

Course A is prescribed for Freshmen.

B. Experimental Chemistry. — Lectures and laboratory work. *Tu., Th., 2.30-5.* Dr. HUNTINGTON. (XI.)

Course *B* supplements Course *A*, and is designed for Freshmen and all those desiring an elementary knowledge of the principles of Chemistry. It is not open to students who have passed in the Elective Chemistry at the examination for admission. Each exercise consists of a lecture or recitation, followed by laboratory work. The latter will offer experimental demonstrations of the principles illustrated in the lectures of Chemistry *A* as well as in those of this course.

Course *B* may be taken either as a full course or as a half-course. Students desiring only a limited training in the methods of experimental Chemistry should take it as a half-course. In that case the student will attend the Tuesday exercises only. As the accommodations are limited, students who wish to take it as a full course must positively obtain the consent of the Instructor in advance.

Course *B*, taken as a half-course, may be taken in the same year with Physics *B*.

1. General Descriptive Chemistry, including its applications in the arts, and embracing the scheme of the chemical elements. — Lectures, *Mon., Fri., at 12*, and laboratory work *Tu., Th., 1.30-3.30, or Wed., Fri., 2.30-4.30.* Professor JACKSON. (IV.)

Course 1 should be preceded by Course *B*, but is open to Freshmen who have passed in the Elective Chemistry for admission or who satisfy the Instructor that they are fitted to pursue the course.

- 2a. *First half-year:* Mineralogy of common rocks, including a study of the characters and distribution of the mineral species constituting ordinary rock. — *Second half-year:* Metallic Ores, including blow-pipe assaying and the simpler methods of furnace assaying of gold and silver ores. *Mon., Wed., Fri., at 9*, and laboratory work. Dr. HUNTINGTON. (I.)

Course 2a may be taken during either half-year as a half-course, but as the laboratory accommodations are limited the consent of the Instructor must be previously obtained.

2. Systematic Mineralogy. — Lectures in the Mineral Cabinet and practical exercises. *Mon., Wed., Fri., at 10*, and laboratory work. Dr. HUNTINGTON. (II.)

3. Qualitative Analysis (chiefly laboratory work). *Mon., Wed., Fri., at 11.* Professor H. B. HILL. (III.)

Course 3 is open only to students who have taken Course 1.

4. Quantitative Analysis (chiefly laboratory work). *Mon., Wed., Fri., at 3.30.* Professors COOKE and H. B. HILL and Dr. RICHARDS. (VI.)

Course 4 may be taken with Course 3, but otherwise is only open to students practised in qualitative analysis.

For Graduates and Undergraduates.

*4a. Quantitative Analysis (second course). — Laboratory work. *Mon., Wed., Fri., at 3.30.* Professors COOKE and H. B. HILL and Dr. RICHARDS. (VI.)

5. The Carbon Compounds. — Lectures and laboratory work. *Mon., Wed., Fri., at 9.* Professor H. B. HILL. (I.)

Course 5 is open only to students who have taken Course 3.

8. Chemical Philosophy. *Half-course. Th. at 12.* Dr. RICHARDS. (X.)

Course 8 is required of all candidates for final honors in Chemistry.

Primarily for Graduates.

6. Advanced Problems in Inorganic Chemistry and Chemical Physics, including Molecular Weights and Volumes, Thermo-Chemistry, and Specific Refractive Power. — Lectures and laboratory work. *Mon., Wed., Fri., at 12.* Professor COOKE. (IV.)

In this course lectures are given by the students in rotation on topics assigned by the Instructor; and the course will not be given unless a class of at least six persons is formed.

7. Crystallography and the Physics of Crystals. — Lectures and Practical Exercises. — *First half-year:* Discussion and measurement of crystals. — *Second half-year:* Crystal Optics. *Mon., Wed., Fri., at 10.* Professor COOKE. (II.)

Either half of the course may be taken separately. Students proposing to study petrography are advised to take the second half in connection with Course 2.

COURSES OF RESEARCH.

20. To competent students who have acquired the requisite knowledge and practice, the following are offered as subjects of research under the guidance of the Instructors named:—

- (a) Determination of Atomic Weights. Professor COOKE.
- (b) Aromatic Compounds. *Five times a week.* Professor JACKSON.
- (c) Organic Chemistry. *Six times a week.* Professor H. B. HILL.
- (d) Inorganic Chemistry. *Five times a week.* Professor JACKSON.
- (e) Mineralogy. Professor COOKE and Dr. HUNTINGTON.

At the Laboratories of Boylston Hall the Professors will direct advanced students in Chemistry in any other special studies or investigations.

BOTANY.**Primarily for Undergraduates.**

1. Botany. — Lectures (*Tu., Th., at 10, and a third hour at the pleasure of the Instructor*) and laboratory practice. *Half-course (second half-year)*. Professor GOODALE. (VIII.)

This course is required as an introduction to Courses 3 and 4. It is intended for beginners and for those who wish to get a comprehensive view of the subject. It is open to Freshmen, and may be taken with advantage in the same year with Zoölogy 1.

2. Morphology of Plants. *Half-course. Mon., Wed., Fri., at 2.30, and laboratory work (first half-year)*. Professor FARLOW. (V¹.)

This course cannot be taken separately from Zoölogy 2. Exceptions from this rule will be allowed only after consultation with and approval by the Instructors in Zoölogy 1 and 2 and Botany 2.

This course is open to those only who take or have taken Zoölogy 1. The number of students in the course is necessarily limited, and preference will therefore be given to those who intend to take Botany 4, Zoölogy 3, or 4, or Geology 20c, or to study Medicine.

For Graduates and Undergraduates.

- *3. Botany (second course). — Lectures (*Tu., Th., at 2.30*) and laboratory practice (*Tu., Th., and Sat.*). Mr. GANONG. (XI.)

Course 3 is open to those only who have taken Course 1.

- *4. Cryptogamic Botany. — Lectures and laboratory work. *Half-course. Tu., Th., Sat., at 11 (second half-year)*. Professor FARLOW. (IX².)

Course 4 is open to those only who have taken Courses 1 and 2.

Primarily for Graduates.**COURSES OF RESEARCH.**

- 20a. Experimental Vegetable Physiology. — Systematic and Economic Botany. Professor GOODALE.

- 20b. Structure and Development of Cryptogams. Professor FARLOW.

SUMMER COURSE.

For a summer course in Botany, which can be counted as a half-course towards the degree of A.B. and S.B., see p. 47.

ZOOLOGY.**Primarily for Undergraduates.**

1. Zoölogy. — Lectures and laboratory demonstrations. *Half-course.*
Tu., Th., and (at the pleasure of the Instructor) Sat. at 10 (first half-year). Professor MARK. (VIII¹)
 The laboratory demonstrations of Course 1 will occupy each student three hours a week: 9-10 and 11-1, Tu., Th., or Sat., or 2-5, Tu. or Th.
 This course is required as an introduction to Zoölogy 2 and Botany 2. It is intended for beginners and those who wish to get a comprehensive view of the subject. It is open to Freshmen and may be taken with advantage in the same year with Botany 1.
2. Morphology of Animals. *Half-course.* *Mon., Wed., Fri., at 2.30 (second half-year).* Mr. G. H. PARKER. (V².)
This course cannot be taken separately from Botany 2. For other conditions see note under Botany 2.

For Graduates and Undergraduates.

3. Comparative Anatomy of Vertebrates. — Lectures and laboratory work, *Tu., Th., Sat., at 9.* Mr. G. H. PARKER. (VII.)
 Course 3 is open to those only who have taken Course 2 and Botany 2.
- *4. Microscopic Anatomy. — Lectures and laboratory work. *Half-course.*
Mon., Wed., Fri. (first half-year). Professor MARK.
 Course 4 is preparatory to Courses 5 and 20a. It is open to those only who have taken Course 2, and may be taken advantageously either with or after Course 3.
- *5. Embryology of Vertebrates. — Lectures and laboratory work. *Half-course.* *Tu., Th., Sat., at 10 (second half-year).* Professor MARK. (VIII².)
 Course 5 is open to those only who have taken Course 4.

Primarily for Graduates.

10. Comparative Osteology. *Half-course.* *Th., at 11, with laboratory work.* Dr. SLADE. (IX.)
 Open to those only who have taken Course 3 or its equivalent.

COURSES OF RESEARCH.

- 20a. Anatomy and Development of Animals. Professor MARK.
- 20b. General Entomology. Professor HAGEN.

This course is adapted for those who have an elementary knowledge of the structure of animals and plants and have had some experience in collecting insects.

GEOLOGY.**Primarily for Undergraduates.**

Courses 1, 2, 4, and 5 are intended for beginners and for those who wish to get a comprehensive view of these subjects. They are open to Freshmen.

Course 4, if taken by Seniors, cannot be counted for the degree; the same rule will apply to Courses 1 and 2, after 1891-92.

1. **Meteorology.** — Lectures, recitations, written exercises, and laboratory work. *Half-course. Mon., Wed., Fri., at 10 and additional laboratory hours (first half-year).* Professor DAVIS. (II¹.)
(See note under Course 20, below.)
2. **Physical Geography.** — Lectures, recitations, written exercises, and laboratory work. *Half-course. Mon., Wed., Fri., at 10 and additional laboratory hours (second half-year).* Professor DAVIS. (II².)

Courses 1 and 2 together constitute a general course in elementary physical geography and meteorology.

4. **Elementary Geology.** — Lectures and special exercises. — Dana's Manual of Geology. *Half-course. Wed., Fri., and (at the pleasure of the Instructor) Mon., at 12 and an additional hour for special exercises.* Professor SHALER. (IV.)
5. **Elementary Geology.** — Laboratory and field exercises, with occasional lectures. *Half-course. Two-hour exercises, twice a week.* Dr. HARRIS. (IV.)

Course 5 is open to those only who take or have taken Course 4. It is designed especially for students who intend to take Course 8 in a subsequent year. (See note under Course S 1, p. 48.) Students taking Course 5 must keep one entire morning or afternoon in the second half-year free for field-work.

For Graduates and Undergraduates.

- *8. **General Critical Geology.** — Lectures, field work, and theses. *Mon., Wed., Fri., at 9 and eight or more half-day excursions.* Professors SHALER and DAVIS, and Dr. WOLFF. (I.)

Course 8 is open to students who have attained satisfactory grades in Courses 4 and 5 (formerly 4a) or Course S 1 in the Summer School of Geology (see below). Students taking this course must keep Thursday or Friday afternoon or Saturday morning free for field-work.

- *9. **Structural and Dynamical Geology of the stratified rocks.** — Lectures, reading, and theses. *Twice a week.* Dr. HARRIS.

Open to those only who have taken Course 8 or Course S 2 (see below) in the Summer School.

- *12. Petrography. — Lectures, laboratory work, and theses. *Twice a week with additional laboratory hours.* Dr. WOLFF.

Open to those only who have taken Geology 4 and 5 and Chemistry 2. The second half of Chemistry 7 is also recommended in preparation for this course.

- *14. Palaeontology. — Lectures, laboratory work, and theses. *Wed., Fri., and (at the pleasure of the Instructor) Mon., at 10, and additional laboratory hours.* Professor SHALER. (II.)

Course 14 is open to those only who have taken Geology 4 and 5, Botany 1, and Zoölogy 1.

15. Historical Geology. — Laboratory work and theses. Professor SHALER.

This course is designed to train advanced students in the use of fossils in determining geological horizons. It is adapted for those who already have some knowledge of geology and palaeontology. Geology 8 and 14, S 2 in the Summer School, and Zoölogy 2, afford a suitable preparation.

- *18. Economical Geology. Lectures, reading and theses. *Wed., Fri., at 11 and additional laboratory hours.* Professor WHITNEY. (III.)

Open only to those who have taken Geology 4 and 5, and Chemistry 2. Geology 8 and 12 are also desirable.

Primarily for Graduates.

Students in advanced Geological courses are expected to attend the meetings of the Geological Conference on Tuesday evenings.

COURSES OF RESEARCH.

20. Physical Geography and Meteorology (second course). — Lectures and reports. *Th., at 9, and a second hour at the pleasure of the Instructor.* Professor DAVIS.

This course is adapted for students who have already had some instruction in Physical Geography and Meteorology. The work of the course will include special investigation of selected topics by the students.

22. Advanced geological field work. Field and library work, with weekly conferences. Professors SHALER and DAVIS, Drs. WOLFF and HARRIS.

This course gives training in the principles of Geological Surveying, with opportunity for original investigation in the field and practice in the preparation of geological maps and reports. It is open to those only who have passed satisfactorily in Courses 8, S 2 in the Summer School (see below), and in either Chemistry C (first half-year) or Chemistry 2.

23. Petrographical research in the field and laboratory. Dr. WOLFF.
Open to those who have already studied Petrography.
24. Palaeontology. Professor SHALER.
Open to those who have already studied Palaeontology and Zoölogy.
- [25. Mineral Veins and Metalliferous Deposits: their mode of occurrence, and theories of their origin. Lectures, reading and theses. *Wed., Fri., at 11, and additional laboratory hours.* Professor WHITNEY.] (III.)
This course will treat of the mode of occurrence of ore-deposits, and the theories of their origin. Attention will be given to the working of mines, the metallurgical treatment of ores, and the uses of the principal metals, particularly iron and steel. The course requires a considerable knowledge of mineralogy and geology. Ability to read French and German is necessary.
Omitted in 1891-92.

GEOLOGICAL CONFERENCE.

The instructors in this department meet the more advanced students in the various courses on Tuesday evenings from November to April for the presentation of theses and reports on subjects investigated by the members, with informal comment and discussion by those present. At each meeting there will be one or more leading papers on subjects announced at a previous meeting; discussion will be directed chiefly to the subject thus presented. There will also be brief statements on work in progress, and comments on new publications and other matters of interest.

SUMMER COURSES.

For summer courses in Geology, which can be counted towards the degrees of A.B. and S.B., see p. 48.

AMERICAN ARCHAEOLOGY AND ETHNOLOGY.

For Graduates.

A course of special training in archaeology and ethnology, requiring three years for its completion, will be given by Professor PUTNAM. It will be carried on by work in the Laboratory and Museum, lectures, field work and explorations, and in the third year by some special research. The ability to use French and Spanish will be necessary.

For this course a knowledge of elementary chemistry, geology, botany, zoölogy, drawing, and surveying is required; and courses in ancient history, ancient art, and classical archaeology are recommended as useful.

SUMMER COURSES OF INSTRUCTION.

Among the courses of instruction offered by Harvard University in the summer of 1891, the following can be counted, under the regulations of the Faculty of Arts and Sciences, towards the degrees of A.B and S.B:—

GERMAN.

- S 2. Writers of the Nineteenth Century. — Lessing (Minna von Barnhelm). — Schiller (Wilhelm Tell). — Goethe (Hermann und Dorothea). — Riehl (Der Fluch der Schönheit). — Freytag (Aus Neuer Zeit, chapter V.). — Selections in Prose and Poetry. — Translations at sight of Modern German prose. — Grammar and composition. *Five times a week, for six weeks, beginning July 1 (to count as a half-course).* Asst. Professor BARTLETT.

This course corresponds to Course 1a on p. —, and to the advanced German requirement for admission.

ENGINEERING.

- S 1. Surveying, Plotting, and Topographical Drawing. — Johnson's Theory and Practice of Surveying. — Geodesy. *Six times a week for six weeks, beginning June 29 (to count as a half-course).* Mr. WAIT.

This course corresponds to Course 2 in Engineering, and when counted for a degree is subject to the same restrictions.

- S 2. Levelling. — Topographical Drawing. — Searle's Field Engineering. — Railroad Surveying, Location, and Construction. *Six times a week for six weeks, beginning June 29 (to count as a half-course).* Mr. WAIT.

This course corresponds to Course 4 in Engineering, and when counted for a degree is subject to the same restrictions.

PHYSICS.

- S 2. Experimental Physics. — Measurements in Mechanics, Sound, Heat, Light, Electricity, and Magnetism. — Laboratory work. *Six times a week for six weeks, beginning July 6 (to count as a half-course).* Mr. SABINE.

This course corresponds to Physics C on p. —, and to the advanced requirement in Physics for admission.

BOTANY.

- S 1. Vegetable Morphology and Physiology. — Laboratory work on Morphology and Histology. — Demonstrations on Physiology. — Lectures. *Five times a week, together with Saturday excursions for five weeks, beginning June 29.* Mr. GANONG.

This course counts as a half-course.

GEOLOGY.

- S 1. Elementary course in general physical and structural Geology: at Cambridge. Lectures, laboratory and field-work. *Six times a week for six weeks, beginning July 6 (to count as a half-course).* Professor SHALER.

This course is parallel to Geology 4 and 5, and will be accepted as their equivalent in preparation for Geology 8, 12. or 14.

- S 2. Advanced course in geological field-work: conducted successively at Utica, N.Y. (Professors SHALER and WILLIAMS and Mr. BRIGHAM), Catskill, N. Y. (Professor DAVIS), Meriden, Conn. (Professor DAVIS), and in Northern New Jersey (Professor SHALER and Dr. WOLFF. *For six weeks from July 13 (to count as a half-course).*

This course is open to those who have taken Geology 4 and 5 or Course S 1, or who possess an equivalent amount of training in Geology. It is required as a preparation for Geology 15 and 22, and may be taken as a preparation for Geology 9.

- S 3. Training in field-research, and in the methods of professional geological field-work, the results to be presented in a thesis: for advanced students. *To count as a full course, if pursued for not less than ten weeks; as a half-course if pursued for less than ten weeks and not less than five.* Professors SHALER and DAVIS and Dr. WOLFF.

COURSES IN THE MEDICAL SCHOOL.

By vote of the Faculty the following laboratory courses to be given at the Medical School in 1891-92 are recognized as suitable courses for students in the Graduate School:—

Experimental Physiology, by Dr. BOWDITCH.

Anatomy, by Dr. DWIGHT.

Bacteriology (*six weeks in the summer of 1891*), by Dr. ERNST.

Embryology of Vertebrates, by Dr. C. S. MINOT.

For further information application should be made to Dr. H. P. BOWDITCH, *Dean*, Harvard Medical School, Boylston Street, Boston.

No student is allowed to take more than one course in any of these groups, with the exception of half-courses which are not given in the same half-year and of the following: the courses having the same letter or number in Latin and Greek Composition; Physics *B* and Chemistry *B*; French 3 and German *A* or *B*; Semitic 6 and 12; Geology 4 and 5. The courses in italics are the only ones open to Freshmen without special permission of the Administrative Board. The hours given are recitation hours. Courses in brackets will not be given in 1891-92.

<p>I. (<i>M. W. F. at 9.</i>)</p> <p>Greek 7 Latin 7 English 1 German 5 French 6 Political Economy 1 <i>History 1</i> Roman Law <i>Chemistry 2a</i> Chemistry 5 Geology 8</p>	<p>IV. (<i>M. W. F. at 12.</i>)</p> <p>Semitic 4 <i>Greek B, D</i> Greek [12], 13 Class. Phil. 20 English 14, 17, 10, I. <i>German 2</i> Germ. Phil. 13 Philosophy 2 History 11 Mathematics 6, [9] <i>Chemistry 1</i> Chemistry 6 <i>Geology 4, 5</i></p>	<p>VI. (<i>M. W. F. at 3.30.</i>)</p> <p>Semitic 8, 13 Sanskrit 1 Class. Phil. 1 <i>Greek F</i> <i>Latin F</i> English 9, 10, II. German 9, [10], 11 French 7 Philosophy 4 Fine Arts 2 Music [5], 6 <i>Mathematics 1</i> Mathematics 12 Chemistry 4, 4a</p>
<p>II. (<i>M. W. F. at 10.</i>)</p> <p>Latin 1, 6¹, 6² English 2 <i>German B, 3</i> <i>French 2</i> French 11, [12] Spanish 3 Philosophy [14] History [3], 9 Mathematics 8, 11, [15] <i>Chemistry 2</i> Chemistry 7 <i>Geology 1, 2</i> Geology 14</p>	<p>XIII. (<i>M. W. F. at 1.30.</i>)</p> <p><i>Greek E</i> <i>Latin E</i> English 13 German 6 <i>Spanish 1</i> Philosophy 3 Political Economy 4 Engineering 1, 4 <i>Physics C</i></p>	<p>VII. (<i>Tu. Th. S. at 9.</i>)</p> <p>Semitic 11 <i>Greek A</i> Greek 8 <i>Latin B, D</i> English 15 <i>German 1c</i> <i>French 1b</i> French 9, [10] Italian 2 Philosophy 6, 13 <i>History 2</i> History 4, 30, 31 Fine Arts 4, [3] Mathematics 4 Engineering 7¹ Zoology 3</p>
<p>III. (<i>M. W. F. at 11.</i>)</p> <p>Semitic 1 Greek 1 <i>Latin A, C</i> Latin 8¹, 8² English 3¹, 3², [4], 5 <i>German C, 1a</i> Germ. Phil. [16] Spanish 2 Philosophy 7, 12 History 10 Mathematics 2, 5, 13 Engineering 8 Chemistry 3 Geology 18, [25]</p>	<p>V. (<i>M. W. F. at 2.30.</i>)</p> <p>Semitic 7 Sanskrit 2, 3 Class. Phil. 26 Greek [4] Italian 3 Philosophy 1 Political Economy 2 History 5 Fine Arts 1 Music 2 <i>Mathematics C</i> Mathematics 16 Physics 7, 8 Botany 2 Zoology 2</p>	<p>VIII. (<i>Tu. Th. S. at 10.</i>)</p> <p>Semitic 3¹, 3², Greek 2, 6, 9 Class. Phil. 25 German 4 <i>French 1a</i> Rom. Phil. 3, [6], 7</p>

<p>VIII. (<i>Tu. Th. S. at 10</i>) (<i>continued</i>). Philosophy [5] Political Economy 7 History 15 Mathematics 17 <i>Physics 1</i> <i>Physics 4</i> <i>Botany 1</i> <i>Zoölogy 1</i> <i>Zoölogy 5</i></p>	<p>X. (<i>Tu. Th. S. at 12</i>.) Semitic 5, 14, [15] Greek 10 Latin 2 Class. Phil. 23, 24 Comparative Lit. 2 English [16] Philosophy 10 History 13 Mathematics 10 Physics 3 Chemistry 8</p>	<p>XI. (<i>Tu. Th. S. at 2.30</i>.) Semitic 16 Greek 3 Latin 3 English 12 <i>German E</i> <i>French 3 I</i> <i>French 4 I</i> Rom. Phil. 2, [4], 5 Political Economy 6¹, 8² History [6], 7 <i>Music 1</i> <i>Physics B</i> <i>Chemistry B</i> Botany 3</p>
<p>IX. (<i>Tu. Th. S. at 11</i>.) Semitic 6, 12 <i>Greek C</i> Greek [11] Latin 4, [5], 11 <i>German 1b</i> French [8] Italian 4 Philosophy 11 History 12 <i>Mathematics A, B</i> Mathematics 3, [7], 14 <i>Physics 6</i> Botany 4 Zoölogy 10</p>	<p><i>English A</i></p> <p>XIV. (<i>Tu. Th. S. at 1.30</i>.) Päli Class. Phil. 21, 22 German 8 <i>Italian 1</i> Political Economy 5² History 8 <i>Mathematics D, E</i> Engineering 2, 3</p>	<p>XII. (<i>Tu. Th. S. at 3.30</i>.) Semitic 2 Comparative Lit. 1 English 6, [7], 8 <i>German B</i> <i>French 3 II</i> <i>French 4 II, 5</i> Political Economy 3 Music 3, [7]</p> <p><i>French A</i> <i>German A</i></p>

Monday, Wednesday, and Friday.			
9.		10.	
Semitic 5. <i>M.</i> (also <i>Th.</i>).	S. 9.	Latin 1.	S. 18.
Greek 7. <i>W.</i>	S. 26.	Latin 6.	S. 14.
III. Latin <i>C.</i>	S. 26.	I. English <i>A.</i> <i>W.</i>	L. 1.
Latin 7. <i>F.</i>	S. 13.	English 2.	H. 6.
English 1.	U. 2.	II. German <i>A.</i>	U. 17.
I. German <i>A.</i>	U. 17.	German <i>B.</i>	S. 6.
German 5.	S. 5.	Also <i>Tu. Th.</i> at 3.30.	S. 6.
III. French 2. <i>M. W.</i>	S. 24.	German 3.	S. 2.
Also <i>F.</i> at 10.	H. 1.	I. French <i>A.</i> <i>M. F.</i>	S. 23.
French 6.	S. 23.	Also <i>Tu.</i> at 3.30.	H. 1.
I. Pol. Econ. 1.	L. Dane.	IV. French <i>A.</i> <i>M. F.</i>	S. A.
III. Pol. Econ. 1.	U. Dane.	Also <i>T.</i> at 3.30.	H. 1.
Hist. 1.	L. Mass.	I. French 2. <i>M. W.</i>	S. 24.
Roman Law.	U. 16.	Also <i>F.</i> at 10.	H. 1.
Math. 11.	J. 22.	French 11. <i>M. F.</i>	S. 19.
I. Physics <i>C.</i>	J. 41.	I. Spanish 1.	S. 17.
Chem. 2a.	U. M. 9.	Hist. 9.	H. 6.
Chem. 5.	B. 12.	II. Pol. Econ. 1.	L. Dane.
Geology 8.	M. L. R.	IV. Pol. Econ. 1.	U. Dane.
		Math. 8.	S. 20.
		Chem. 2.	U. M. 9.
		Chem. 7.	12 Ware St.
		Geology 1. 1st h.y. <i>W. F.</i>	U. M.
		Recit. <i>M.</i> 3 secs. 9-12; Lab.	
		<i>Tu.</i> 3 secs. 9-12.	U. M.
		Geology 2. 2d h.y. (Same as	
		Geol. 1).	U. M.
		I. Geology 5. <i>M.</i> 10-12, <i>S.</i> 9-11.	U. M.
		Geology 14. <i>W. F.</i> (occ. <i>M.</i>).	U. M. 2.
Tuesday, Thursday, and Saturday.			
Greek <i>A.</i>	S. 26.	Greek 2.	H. 1.
Greek 8.	S. 29.	Greek 6.	S. 30.
I. Latin <i>B.</i>	S. 18.	Greek 9. 1st h.y.	S. 29.
Latin <i>D.</i>	S. 14.	II. Latin <i>B.</i>	S. 18.
English 15. 2d h.y. <i>Tu. Th.</i>	S. 1.	Cl. Phil. 25. 2d h.y. <i>Tu. Th.</i>	S. 29.
V. German <i>A.</i>	S. 5.	IV. English <i>A.</i> <i>Th.</i>	U. Dane.
German 1c.	S. 6.	German 4.	L. 1.
French 1b.	S. 24.	I. French 1a. <i>Tu. Th.</i>	S. 23.
French 9.	S. 23.	II. French 1a. <i>Tu. Th.</i>	S. 19.
Italian 2.	S. 17.	III. French 1a. <i>Tu. Th.</i>	S. A.
Philos. 6. <i>Tu.</i>	D. L. 3.	IV. French 1a. <i>Tu. Th.</i>	S. 20.
Philos. 13. <i>Th. S.</i>	D. L.	French 1a (all sections). <i>S.</i>	S. 11.
Hist. 2. 1st h.y.	L. Mass.	II. French 2. <i>Tu. Th.</i>	S. 24.
Hist. 4. 2d h.y.	L. Mass.	Also <i>F.</i> at 10.	H. 1.
Hist. 25. <i>Tu. Th.</i>	H. 6.	Rom. Phil. 3. <i>Tu. Th.</i>	S. 17.
Hist. 30.	U. 20.	Rom. Phil. 7. <i>S.</i>	S. 17.
Hist. 31. 2d h.y.	U. 20.	Pol. Econ. 7.	U. 4.
Fine Arts 4.	U. Mass.	Hist. 15.	H. 6.
Math. 4.	U. 19.	I. Math. <i>A.</i> 1st h.y.	U. E. R.
III. Physics <i>C.</i>	J. 41.	I. Math. <i>B.</i> 2d h.y.	U. E. R.
Engineer. 7.	—	Physics 1. <i>Tu. S.</i>	J. 1.
Zoölogy 3.	U. M. 3.	Also <i>Tu. W. F.</i> 2-4, <i>W. Th.</i>	
III. Geology 5. <i>Tu. Th.</i> 9-11.	U. M.	9-11, <i>Th.</i> 11-1.	J. 3.
		Physics 4. <i>Tu. Th.</i>	J.
		Botany 1. 2d h.y. <i>Tu. Th.</i>	U. M. 8.
		Zoölogy 1.	U. M.
		Zoölogy 5. 2d h.y.	U. M.

Abbreviations: —S. Sever Hall. U. University Hall. H. Harvard Hall. L. Lawrence Hall. B. Boylston Hall
Mass. Massachusetts Hall. M. L. R. Mineralogical Laboratory Room. U. E. R. University

Monday, Wednesday, and Friday.

II.		I2.	
Semitic 1.	D. 2.	Semitic 3. <i>W.</i>	S. 9.
Greek 1.	S. 30.	Also <i>S.</i> at 10.	S. 9.
Latin <i>A.</i>	S. 25.	Semitic 4. <i>M. F.</i>	S. 9.
I. Latin <i>C.</i>	S. 18.	Greek <i>B.</i>	S. 30.
II. Latin <i>C.</i>	S. 14.	Greek <i>D.</i>	H. 1.
Latin 8.	S. 13.	Greek 13.	S. 26.
II. English <i>A.</i>	L. 1.	Cl. Phil. 20.	S. 14.
English 3.	U. 2.	III. English <i>A. W.</i>	L. 1.
English 6.	S. 1.	I. English 10. <i>M. F.</i>	Holden.
III. German <i>A.</i>	S. 5.	English 17. <i>W.</i>	S. 1.
I. German <i>C.</i>	U. 17.	German 2.	S. 5.
II. German <i>C.</i>	S. 6.	Germ. Phil. 13.	U. 2.
German 1a.	S. 35.	Philos. 2.	U. D.
III. French <i>A. M. F.</i>	S. 10.	Hist. 11.	H. 6.
Also <i>Tu.</i> at 8.30.	H. 1.	IV. Math. <i>D.</i>	U. 19.
Spanish 2.	S. 17.	Math. 6.	U. 24.
Philos. 7.	D. L.	Chem. 1. <i>M. F.</i>	B. 9.
Philos. 12.	U. 16.	Chem. 6.	B.
Hist. 10.	L. Mass.	Geology 4. <i>W. F.</i> (occ. <i>M.</i>).	M. L. R.
Math. 2.	S. 24.		
Math. 5.	U. E. R.		
Math. 18.	U. 24.		
Engineer. 8.	L. 5.		
II. Physics <i>C.</i>	J. 41.		
Chem. 3.	B. 12.		
Geology 18. <i>W. F.</i>	U. 5.		

Tuesday, Thursday, and Saturday.

Semitic 6. <i>S.</i>	S. 9.	Semitic 14. <i>S.</i>	S. 8.
Semitic 12. <i>Tu. Th.</i>	S. 5.	Greek 10.	H. 1.
Greek <i>C.</i>	S. 30.	Latin 2.	S. 25.
Greek 11.	S. 14.	English <i>A. Tu. S.</i>	Sanders.
III. Latin <i>B.</i>	S. 18.	Cl. Phil. 23. 2d h.y. <i>Tu. Th.</i>	S. 27.
Latin 4. 2d h.y.	S. 13.	Cl. Phil. 24. 1st h.y. <i>Tu. Th.</i>	S. 27.
Latin 11.	S. 14.	Comp. Lit. 2.	S. 1.
V. English <i>A. Th.</i>	U. Dane.	Philos. 10.	U. 23.
I. German 1b.	S. 6.	Hist. 13.	L. Mass.
II. German 1b.	U. 17.	Math. 10. <i>Tu. S.</i>	S. 20.
Italian 4.	S. 33.	Also <i>Th.</i>	J.
Philos. 11.	U. 23.	IV. Physics <i>C.</i>	J. 41.
Hist. 12.	H. 6.	Physics 3. <i>Tu.</i>	J.
II. Math. <i>A.</i> 1st h.y.	U. E. R.	Chem. <i>A. Th.</i>	B.
II. Math. <i>B.</i> 2d h.y.	U. E. R.	Chem. 8. <i>Th.</i>	B. 8.
Math. 3.	U. 19.		
Math. 14.	S. 14.		
Physics 6. <i>Tu. S.</i>	J. 3.		
Botany 4.	U. M. 20.		
Zoölogy 10.	U. M.		
IV. Geology 5. <i>Tu. Th.</i> 11-1.	U. M.		

Monday, Wednesday, and Friday.			
1.30.		2.30.	
Greek <i>E. W. F.</i>	S. 29.	Semitic 7. <i>M. W.</i>	S. 9.
Latin <i>E. M.</i> (also 2d h.y. <i>F.</i>)	S. 18.	Semitic 13. <i>F.</i>	D. L. 4.
Cl. Phil. 21.	H. 2.	Sanskrit 2. 1st h.y.	S. 15.
English 13. <i>M.</i>	S. 1.	Sanskrit 3. 2d h.y.	S. 15.
IV. German <i>A.</i>	U. 17.	Greek <i>F. W. alt. F.</i>	S. 23.
German 6. <i>M. F.</i>	S. 2.	Latin <i>F. M. alt. F.</i>	S. 25.
II. French <i>A. M. F.</i>	S. 19.	Cl. Phil. 26. <i>M. W.</i>	Col. Lib.
Also <i>T.</i> at 3.30.	H. 1.	III. German <i>C.</i>	U. 17.
II. Spanish 1.	S. 17.	Spanish 3.	S. 17.
III. Spanish 1.	S. 6.	Philos. 1.	U. Dane.
Philos. 3.	U. 16.	Pol. Econ. 2.	U. 4.
Pol. Econ. 4.	L. M.	Hist. 5.	U. 20.
Hist. 22. <i>M.</i>	U. 19.	Fine Arts 1. <i>M.</i>	S. 35.
Engineer. 1.	L.	Also <i>W. F.</i>	S. 37.
Engineer. 4. <i>M. F.</i>	L. 7.	Music 2. <i>M. W.</i>	Dane 1.
Physica 7. 2d h.y. <i>M. F.</i>	J. 3.	Math. <i>C.</i>	S. 24.
Physics 8. 1st h.y. <i>M. F.</i>	J. 3.	Botany 2.	U. M. 29.
II. Geology 5. <i>M. F.</i> 1.30-3.30.	U. M.	Zoölogy 2.	U. M. 3.
		VI. Geology 5. <i>W.</i> 2.30-4.30,	
		<i>S.</i> 11-1.	U. M.

Tuesday, Thursday, and Saturday.			
Cl. Phil. 22. <i>Th.</i>	S. 13.	Semitic 16. <i>M. Tu. W. Th.</i>	D. L. 2.
I. English <i>B. Tu.</i>	S. 11.	Greek 3. <i>Tu.</i>	S. 26.
I. English <i>C. Th.</i>	S. 35.	Latin 3. <i>Th.</i>	S. 18.
German 8.	S. 2.	English 12. <i>Tu. Th.</i>	S. 1.
Italian 1.	S. 17.	I. German <i>E. Th.</i>	S. 6.
Pol. Econ. 5. 2d h.y.	U. 4.	II. German <i>E. Th.</i>	S. 5.
Hist. 8.	U. 20.	I. French 3. <i>Tu. Th.</i>	S. 23.
I. Math. <i>D.</i>	H. 5.	I. French 4. <i>Tu. Th.</i>	S. 20.
II. Math. <i>D.</i>	L.	Rom. Phil. 2. 2d h.y. <i>Tu. Th.</i>	S. 17.
III. Math. <i>D.</i>	U. 19.	Rom. Phil. 5. 1st h.y. <i>Tu. Th.</i>	S. 17.
Engineer. 2. <i>Tu. Th.</i>	L. 7.	Pol. Econ. 6. 1st h.y. <i>Tu. Th.</i>	U. 4.
Engineer. 3. <i>Tu. Th.</i>	L. 14.	Pol. Econ. 8. 2d h.y. <i>Tu. Th.</i>	U. 4.
V. Geology 5. <i>Tu. Th.</i> 1.30-3.30.	U. M.	Hist. 7. <i>Tu. Th.</i>	H. 6.
		Music 1. <i>Tu. Th.</i>	Dane 1.
		Physics <i>B. Th.</i>	J. 1.
		Chem. <i>B. Tu. Th.</i>	B. 5.
		Botany 3. <i>Tu. Th.</i>	U. M. 12.

Monday, Wednesday, and Friday.

3-30.			
Semitic 8. <i>M. W.</i>	S. 9.	German 20b. <i>W.</i> at 10.	S. 35.
Sanskrit 1.	S. 15.	Germ. Phil. 14. <i>W.</i> at 10.	S. 1.
English 9. <i>F.</i>	L. 1.	Germ. Phil. 19. <i>M.</i> at 6.30.	S. 2.
II. English 10. <i>M. F.</i>	Holden.	French 20. <i>M.</i> at 5.	13 Holyoke Pl.
German 9. 1st h.y.	S. 2.	Philos. 20a. <i>W.</i> at 7.15.	U. Dane.
German 11. 2d h.y.	S. 2.	Philos. 20e. <i>F.</i> 2.30-4.30.	Stoughton 7.
French 7.	S. A.	Pedagogy 2. <i>W.</i> at 3.30.	S. 8.
Philos. 4.	U. 16.	Pedagogy 3. <i>M. F.</i> at 3.30.	S. 8.
Hist. 28. 1st h.y. <i>W.</i>	U. 20.	Hist. 20i. <i>F.</i> at 4.30.	U. 20.
Hist. 29. 2d h.y. <i>W.</i>	U. 20.	Hist. 20iii. <i>M.</i> at 7.30.	U. 20.
Fine Arts 2. <i>M. W.</i>	S. 35.	Hist. 20f. <i>M. F.</i> at 11, Tu. Th.	
Also <i>F.</i>	S. B.	at 9.	H'y 20.
Music 6. <i>M. W.</i>	Dane 1.	Hist. 27. <i>M. F.</i> at 9.	U. 20.
Math. 1. <i>M. F.</i>	U. E. R.	Math. E. 2d h.y. (similar to	
Math. 12. 2d h.y. <i>M. F.</i>	U. E. R.	Math. D.).	
Chem. 4.	B. 2.	Math. 17. <i>M. W. F.</i> at 4.	S. 20.
Chem. 4a.	B. 2 & 9.	Math. 20b. <i>M. F.</i> 3.30-5.	U. 19.
		Geology 9. <i>W. F.</i> at 11.	U. M.

Tuesday, Thursday, and Saturday.

Semitic 2. <i>Tu. Th.</i>	S. 9.	Class. Sem. <i>Tu. Th.</i> 2.30-4.	H. 2.
II. English C. <i>Th.</i>	S. 35.	German 20a. <i>S.</i> at 10.	Col. Lib.
English 6. <i>Th.</i>	U. 2.	Germ. Phil. 15. <i>Th.</i> at 4.30.	S. 2.
English 8. <i>Tu. Th.</i>	S. 2.	Pedagogy 1. <i>Tu. Th.</i> at 1.30.	S. 8.
German B. <i>Tu. Th.</i>	S. 6.	Philos. 20b. <i>Tu.</i> at 7.30.	108 Irving St.
Also <i>M. W. F.</i> at 10.	S. 6.	Hist. 23. <i>Tu. Th.</i> at 1.30.	U. 20.
French A (all sections). <i>Tu.</i>	H. 1.	Hist. 26. <i>Th.</i> 3.30-5.30.	U. 20.
II. French 3. <i>Tu. Th.</i>	S. 23.	Hist. 32. <i>Tu. S.</i> at 11.	H'y 20.
II. French 4. <i>Tu. Th.</i>	S. 20.	Math. 20d. <i>Tu.</i> at 2.30.	U. 24.
French 5. <i>Tu. Th.</i>	S. 19.	Astronomy. <i>Tu. Th. S.</i> at 10.	L. 4.
Comp. Lit. 1. <i>Tu. Th.</i>	S. 1.	Geology 12. <i>Tu. Th.</i> at 11, <i>W.</i>	
Pol. Econ. 3. <i>Tu. Th.</i>	U. 14.	at 1.30.	U. M.
Also <i>F.</i> at 11.30.	Col. Lib.	Geology 20. <i>Th.</i> 9-11.	U. M.
Music 3. <i>Tu.</i>	Dane 1.	Geology 22. <i>Tu.</i> at 7.45.	U. M.

COURSES FOR TEACHERS.

The following courses, adapted for teachers and persons intending to become teachers, will be offered in 1891-92:—

1. History of Teaching and of Educational Theories. — Lectures and Discussions. — Two Essays. *Twice a week.* Asst. Professor HANUS.
2. Theory of Teaching. — The Psychological Basis of Methods. — Critical Examination of Educational Doctrines. — Lectures and Discussions. — Two Essays. *Once a week.* Asst. Professor HANUS.
3. The Art of Teaching. — General school-room practice. — Management, supervision, government, and organization of public schools and academies. — Lectures and Discussions. *Twice a week.* Asst. Professor HANUS.
Students will be expected to observe the teaching in designated schools in the vicinity of Cambridge, and to present reports thereon during the second half-year.
4. Topics in Psychology, of interest to teachers. *Twelve lectures.* Professor JAMES.

In addition to the above, special courses upon the Methods of Elementary Instruction, with lectures and practical exercises, will be given by instructors in each of the following subjects:—

In Greek,	directed by	Professor J. W. WHITE;
" Latin,	" "	Professor GREENOUGH;
" English,	" "	Professors A. S. HILL and BRIGGS;
" German,	" "	Asst. Professor BARTLETT;
" French,	" "	Professor BÔCHER;
" History,	" "	Professor EMERTON and Asst. Professor HART;
" Mathematics,	" "	Professors J. M. PEIRCE, BYERLY, C. J. WHITE, and B. O. PEIRCE;
" Physics,	" "	Asst. Professor HALL;
" Chemistry,	" "	Professor COOKE;
" Botany,	" "	Professor GOODALE;
" Zoölogy,	" "	Professor MARK;
" Geology,	" "	Professor SHALER;
" Geography,	" "	Professor DAVIS.

A detailed statement of the special courses will be found in the "Announcement of Courses for Teachers in Methods of Instruction."

PUBLIC LECTURES, EVENING READINGS, CONCERTS, &c.

In addition to the courses of instruction described in the preceding pages, many lectures and readings are given each year under the auspices of the University, most of them open to the public. Last year were given : —

Thirteen lectures on Representative Men and Issues of Modern Philosophy, by Asst. Professor ROYCE, as follows :

1. General Introduction.
2. Spinoza, and the Philosophy of the Seventeenth Century.
3. From Spinoza to Kant.
4. Kant.
5. Fichte.
6. The Romantic Movement in Philosophy.
7. Hegel.
8. Schopenhauer.
9. The Rise of the Philosophy of Evolution.
10. Idealism as a Tendency in Philosophy.
11. The Inner Life and the Laws of Nature.
12. The Philosophy of Evolution.
13. Optimism and Pessimism.

At a series of College Conferences on the Study of the Bible the following topics were discussed :

1. Bible Study for College Students. Professor F. G. PEABODY.
2. The Literary Aspect of the English Bible. Asst. Professor KITTREDGE.
3. The Old Testament in the light of other Semitic Literature. Professor TOY.
4. The Revised New Testament of 1881. Professor THAYER.
5. The Bible in its Relation to Modern Problems. Rev. LYMAN ABBOTT, D.D.
6. The Bible and the Sacred Books of the East. Rev. Professor EVERETT, D.D.
- 7 and 8. The Old Testament in the light of Hebrew History. Professor LYON.
- 9 and 10. New Testament Times. Professor THAYER.
- 11 and 12. The Development of Hebrew Religion. Professor TOY.
13. The Hebrew Prophet. Professor LYON.
14. The Prophet Isaiah. Professor LYON.
15. The Old Testament in the light of Universal History. Professor HART.
16. Paul at Athens. Professor GOODWIN.

17 and 18. Parabolic Teaching and the Teachings of Christ. Professor PALMER.

19 and 20. The Speeches of Paul. Professor WRIGHT.

Dudleian Lecture. For the confirmation, illustration and improvement of the great articles of the Christian religion, properly so called, or the revelation which Jesus Christ, the Son of God, was pleased to make, first by Himself and afterwards by His Holy Apostles, to His Church and the world for their salvation. Rt. Rev. Bishop JOHN J. KEANE, Rector of the Catholic University of America, Washington, D. C.

At the Geological Conferences the following papers were presented :

The Lower Cambrian age of a part of the Stockbridge Limestone in western Vermont. Dr. J. E. WOLFF.

The Surface Geology of the Housatonic Valley. Mr. R. E. DODGE.

Certain Igneous Contacts at Worcester, Mass. Mr. C. R. EASTMAN.

The Cambrian in the Attleboro' District. Mr. M. FISCHER.

The Surface Geology about Kennebunk, Me. Mr. L. H. DAVIS.

History of the Discussion on the Origin of Drumlins. Mr. S. BERRY.

Observations on the Glacial Drift near North Andover, Mass. Mr. E. T. BREWSTER.

Drumlins. Professor G. H. BARTON.

The Geology of Woody Creek, Col. Mr. J. R. FINLAY.

Use of the term Monocline. Dr. T. W. HARRIS.

Post-Glacial Changes in Coast-Line of Massachusetts Bay. Mr. R. S. TARR.

A Submerged Forest at Kennebunk Beach, Me. Mr. L. H. DAVIS.

Iron Ores. Mr. L. H. DAVIS.

Mineral Deposits of Leadville, Col. Mr. J. R. FINLAY.

The Effect of Ice in Neutralizing Wave Erosion. Dr. T. W. HARRIS.

Types of Mountain Structure. Mr. R. E. DODGE.

The Geology of Texas. Mr. R. S. TARR.

The Cambrian Rocks of South America. Mr. C. D. WALCOTT.

The Geology of the Hawaiian Islands. Mr. G. H. BARTON.

Sandplains at Readville and Blue Hill. Mr. ROBERT WAINWRIGHT.

The Merrimac in Pre-Glacial Times. Mr. L. H. DAVIS.

The Drift of Andover. Mr. E. T. BREWSTER.

Eleven lectures on Physical Science (especially for Freshmen) :

1. Electro-magnetism. Professor TROWBRIDGE.

2. New Developments in Electricity. Professor TROWBRIDGE.

3. Disruptive Discharges of Electricity. Professor B. O. PEIRCE.

4. Acoustics, with especial reference to the Electrical Transmission of Speech. Professor TROWBRIDGE.

5. Lightning and Lightning-rods. Professor B. O. PEIRCE.
6. Physical Optics, with especial references to Photography. Professor TROWBRIDGE.
7. Characteristics of Steady Currents of Electricity. Professor B. O. PEIRCE.
8. Prime Motors and their Sources of Energy. Asst. Professor E. H. HALL.
9. The Steam Engine. Asst. Professor E. H. HALL.
10. Dynamo Electric Machinery. Asst. Professor E. H. HALL.
11. Electric Lighting and Electric Railways. Asst. Professor E. H. HALL.

Addresses and Essays at the Modern Language Conferences :

1. The French in Shakespere. Dr. MARCOU.
2. The Liberal Student Movement in Germany from 1815 to 1819. Asst. Professor FRANCKE.
3. Lok-Sunday: a problem in Middle English. Dr. J. M. MANLY.
4. The Origin of the Names of the English Alphabet. Professor SHELTON.
5. Diderot's Influence on Goethe. Mr. C. H. PAGE.
6. David Mallet's Literary Forgeries. Mr. W. L. PHELPS.
7. A Small Reform in French Spelling. Professor COHN.
8. Nicholas Lenau's Visit to America. Mr. E. EMERSON.
9. The Sources of the "Chevalier au Lyon" of Châtien de Troyes. Mr. C. H. C. WRIGHT.
10. The Scandinavian form of the Nibelungen Legend. Professor C. S. SMITH, of Columbia College.
11. An Analogue to Chaucer's Pardoner's Tale. Asst. Professor KITREDGE.
12. Lessing and Diderot. Mr. C. H. PAGE.
13. A Word of Goethe about Himself. Asst. Professor FRANCKE.

Illustrated lectures on English History, by Professor COOKE :

1. Places associated with the early introduction of Christianity: Glastonbury, Iona, Holy Isle, Tyne Mouth, Whitby, Durham, and Canterbury.
2. Places associated with the Norman Conquest: Rouen, Falaise, Caen, Bayeux, Hastings, Battle Abbey, Winchester, and the Tower of London.
3. Early English Buildings: Salisbury, Berkeley Castle, Tintern, Raglan Castle, Worcester, Ludlow, Ely, and York.
4. Tudor Architecture: Windsor, Gloucester, Warwick, Kenilworth, and Haddon Hall.
5. Oxford and Cambridge.
6. Cambridge.

Bowdoin Prize Dissertations :

Application to Surroundings displayed in Seeds and Fruits. GEORGE J. PEIRCE, S.B.

The Present Stage of the Homeric Question. CURTIS H. PAGE, A.B.

The Influence of Contemporary French Literature upon that of England and America during the past fifty years. CHARLES H. C. WRIGHT.

Before the Seminary of American History the following papers were read :

Methods of Teaching History : I, Asst. Professor CHANNING.

II, Asst. Professor HART.

The Massachusetts Constitution of 1780. MR. F. E. HAYNES.

The Colonial Slave Trade. MR. W. E. B. DuBOIS.

Colonial Tariffs. MR. WILLIAM HILL.

Meeting of the American Historical Association at Washington. MR. H. V. AMES and Mr. E. V. MORGAN.

An inside View of the Confederacy. MR. W. G. BROWN.

Presidential Proclamations. MR. H. A. DAVIS.

Disciplinary Powers of Congress. MR. C. F. GETTEMY.

Party Promises and their Fulfilment in Civil Service Reform and the Tariff. MR. J. S. BLUNT.

Colonial Suffrage. MR. D. E. SPENCER.

The Bermudas. MR. E. V. MORGAN.

Reconstruction in Arkansas. MR. L. H. ROOTS.

Six lectures introductory to the study of the Romance Languages, by Professor SHELDON :

1. The Scope and Importance of Romance Philology.
2. The Place of Phonetics in Linguistic Study.
3. The Observance of Law in Linguistic Change.
4. Double or Multiple Forms from the Same Source (Doublets).
5. Some of the Main Characteristics of the Romance Languages as compared with Classical Latin.
6. The Beginning and Growth of the Study of Romance Philology in Europe.

Lectures by Professor GOODWIN :

Mycenae and Tiryns.

The Ruins of Troy.

Papers read before the Seminary of Classical Philology :

Passages of Apuleius's Apology and Florida. MR. J. W. H. WALDEN.

The Homeric House and the Palace at Tiryns. MR. W. J. BATTLE.

Solon in Greek Tradition. MR. M. W. MATHER.

Stichometry. MR. CHARLES PEABODY.

At a College Conference :

Harvard and the West. Lecture by President ELIOT.

The Psychology of Music. Eight lectures by Mr. B. I. GILMAN, on the following topics :

Pitch; Timbre; Interval; Scale; Tonality; Measure; Harmony; Expression.

Before the Classical Club :

Life in Homeric Times. Professor T. D. SEYMOUR, of Yale University.

Roman Marriage and Roman Women. Professor W. C. HALE, of Cornell University.

Before the Massachusetts Indian Association :

Miscellaneous Readings. Mr. HAYES.

The Indian Question in South Dakota. Rt. Rev. WILLIAM H. HARE, D.D.

Visible Speech Illustrated. Lecture by Mr. ALEXANDER M. BELL.

Before the Free Wool Club :

The Responsibilities of Power. Address by Hon. W. C. P. BRECKINRIDGE.

Before the Historical Society :

Italy and the Triple Alliance. Dr. TEOFILO GAY.

Before the Finance Club :

General Booth and English Poverty. Lecture by Mr. JOHN G. BROOKS.

Before the English Club :

The Humour of Ben Jonson. Lecture, by Mr. R. G. MOULTON.

France and Germany since the Fall of Bismarck. Lecture by Asst. Professor COHN.

The tenth series of eight Orchestral Concerts was given by the Boston Symphony Orchestra in Sanders Theatre; and the eleventh series of these concerts, eight in number, will be given at the same place.

HARVARD COLLEGE.

ADMINISTRATIVE BOARD.

- LEBARON R. BRIGGS, A.M., *Professor of English, DEAN.*
CHARLES E. NORTON, Litt.D., LL.D., *Professor of the History of Art.*
CHARLES J. WHITE, A.M., *Professor of Mathematics.*
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EPHRAIM EMERTON, Ph.D., *Professor of Ecclesiastical History.*
CHARLES R. LANMAN, Ph.D., *Professor of Sanskrit.*
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FREEMAN SNOW, Ph.D., LL.B., *Instructor in International Law.*
JOHN H. WRIGHT, A.M., *Professor of Greek.*
BENJAMIN O. PEIRCE, Ph.D., *Professor of Mathematics and Natural Philosophy.*
OLIVER W. HUNTINGTON, Ph.D., *Instructor in Mineralogy and Chemistry.*
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GEORGE L. KITTREDGE, A.B., *Assistant Professor of English.*
ARTHUR R. MARSH, A.B., *Assistant Professor of Comparative Literature.*

Senior Class.

NAME.	RESIDENCE.	ROOM.
Adams, Edward Brinley,	<i>Colorado Spr'gs, Col.</i>	T. 6.
Adams, Samuel,	<i>Chicago, Ill.</i>	S. 30.
Agassiz, Rodolphe Louis,	<i>Cambridge,</i>	Hilton Block 39.
Alexander, Robert Percival, A.B. (<i>Mt. Albion Coll.</i>) 1888,	<i>Stanhope, P. E. I.</i>	44 Langdon St.
Allen, Horace Russell, Jr.	<i>Indianapolis, Ind.</i>	M. 33.
Allen, Joseph,	<i>New York, N. Y.</i>	T. 64.
Alter, Alonzo Anderson,	<i>Parnassus, Pa.</i>	52 Mt. Auburn St.
Ames, Fisher, Jr.	<i>W. Newton,</i>	W. 22.
Ames, John Worthington,	<i>Cambridge,</i>	G. 51.
Anderson, William Peirce,	<i>Salt Lake City, Utah,</i>	M. 6.
Andrade, Cipriano, Jr.	<i>Philadelphia, Pa.</i>	14 Oxford St.
Arnold, Chester Hastings,	<i>W. Roxbury,</i>	T. 64.
Baldwin, Robert Collyer,	<i>Boston,</i>	M. 48.
Ballou, Howard Malcolm,	<i>Boston,</i>	13 Claremont Pk.,
Bangs, William Sleeper,	<i>Dorchester.</i>	C. 12. [Boston.
Barber, Marshall Albert, A.B. (<i>Univ. of Kansas</i>) 1891,	<i>Burlington, Kans.</i>	17 Mellen St.
Barr, Lawrence,	<i>Boston,</i>	Little's Block 24.
Barss, John Edmund, A.B. (<i>Acadia Coll.</i>) 1891,	<i>Wolfville, N. S.</i>	1586 Cambridge St.
Bartlett, Walter Loring,	<i>Newburyport,</i>	C. 48.
Batchelder, George Lewis,	<i>Jamaica Plain,</i>	W. 8.
Bates, Charles Theodore Russell,	<i>Wilmington, Del.</i>	H'ke 2.
Beardsley, Charles, Jr.	<i>Burlington, Ia.</i>	H. 14.
Benner, Allen Rogers,	<i>Waldoboro', Me.</i>	T. 57.
Benson, Albert Emerson,	<i>Cambridge,</i>	102 Mt. Auburn St.
Blodgett, Chauncey Hayden,	<i>Pawtucket, R. I.</i>	S. 26.
Boardman, William Dorr,	<i>Roxbury,</i>	Shepherd Block 11.
Bowersock, Justin DeWitt, B.S. (<i>Univ. of Kansas</i>) 1891,	<i>Lawrence, Kans.</i>	45 Trowbridge St.
Brandt, Francis Burke,	<i>Philadelphia, Pa.</i>	S. 18.
Brehaut, James William, A.B. (<i>Dalhousie Coll.</i>) 1891, <i>Murray Harbor So., P.E.I.</i>		1586 Cambridge St.
Bremer, Theodore Glover,	<i>Boston,</i>	Little's Block 13.
Brewster, William Tenney,	<i>Lawrence,</i>	M. 59.
Briggs, Albert Payson,	<i>Brookline,</i>	T. 37.

Brotherton, Cloyd Jacobs, A.B.		
(<i>Ohio Wesleyan Univ.</i>) 1891,	<i>Lima, O.</i>	373 Harvard St.
Brown, George Franklin, Jr.	<i>Boston,</i>	Hilton Block 3.
Brown, John Stacy,	<i>Newport, R. I.</i>	W. 38.
Brown, Willard Dalrymple,	<i>Lexington,</i>	W. H. 11.
Brown, Walter Folger,	<i>Toledo, O.</i>	H'ke 1.
Brown, Walter Jackson,	<i>Boston,</i>	G. 2.
Bruegger, Charles John Frederick,	<i>Chicago, Ill.</i>	M. 32.
Burrage, William Sargent,	<i>Cambridgeport,</i>	10 Fayette St., Cam-
Butler, Howard Fulton,	<i>W. Hancock, Me.</i>	W. 24. [bridgeport.
Campbell, Eugene Chilton, A.B.		
(<i>Hamline Univ.</i>) 1891,	<i>Detroit, Minn.</i>	58 Hammond St.
Campbell, Walter Stanley,	<i>Boston,</i>	M. 50.
Carter, Robert Inglee,	<i>Paris, France.</i>	
Catterall, Ralph Charles Henry,		
A.B. (<i>Bucknell Univ.</i>) 1891,	<i>Watsonstown, Pa.</i>	T. 54.
Chadwick, Stillman Percy Roberts,	<i>Malden,</i>	H. 10.
Chandler, Henry Nelson,	<i>Boston,</i>	M. 8.
Cheney, Charles Paine,	<i>Wellesley,</i>	H'y 3.
Clap, Edmund Wright,	<i>Attleboro' Falls,</i>	78 Mt. Auburn St.
Clark, David Taggart,	<i>Roxbury,</i>	C. 64.
Closson, Carlos Carleton, Jr.	<i>Lawrence,</i>	M. 59.
Cobb, Richard,	<i>Barnstable,</i>	M. 24.
Codman, Julian,	<i>Cotuit,</i>	52 Brattle St.
Commons, Frank Clement,	<i>W. Newton,</i>	H. 18.
Conklin, Roland E., A.B. (<i>Eureka</i>		
(<i>Coll.</i>) 1886, A.M. (<i>Ibid.</i>) 1889,	<i>Cambridge,</i>	36 Mt. Auburn St.
Conlan, Patrick Henry,	<i>E. Cambridge,</i>	59 Thorndike St.,
		E. Cambridge.
Cook, Benjamin, Jr.	<i>Fall River,</i>	T. 23.
Cook, John Shuer,	<i>Chicago, Ill.</i>	H'y 24.
Coolidge, Harold Jefferson,	<i>Boston,</i>	739 Cambridge St.
Copeland, William Rogers,	<i>Cambridge,</i>	102 Appleton St.
Corbin, John,	<i>Chicago, Ill.</i>	H'y 23.
Costigan, George Purcell, Jr.	<i>Denver, Col.</i>	777 Main St.
Covell, William Walton,	<i>Newport, R. I.</i>	C. 19.
Crandell, Arthur Richmond,	<i>Taunton,</i>	M. 52.
Cressy, Wilfred Wesley,	<i>St. Paul, Minn.</i>	9 Wendell St.
Cromwell, Seymour Legrand,	<i>New York, N. Y.</i>	Hilton Block 7.
Cummin, John White,	<i>Williamsport, Pa.</i>	Shepherd Block 1.
Cummings, Charles Rogers,	<i>Fall River,</i>	W. 27.
Curtis, Greely Stevenson, Jr.	<i>Boston,</i>	W. H. 9.
Damon, William Cotton,	<i>Concord,</i>	S. 11.

Dane, Ernest Blaney,	<i>Longwood,</i>	25 Church St.
Davis, Leonard Henry,	<i>Bristol, N. H.</i>	C. 11.
Day, Arthur Morgan,	<i>Danbury, Conn.</i>	M. 26.
Day, Nathan Brown,	<i>Boston,</i>	H'y 8.
Desbecker, Louis Eugene,	<i>Buffalo, N. Y.</i>	W. 50.
DeWolf, Halsey,	<i>Cambridge,</i>	49 Oxford St.
Dodge, Henry Percival,	<i>Boston,</i>	W. H. 30.
Dow, Charles Howard,	<i>Exeter, N. H.</i>	T. 25.
Dow, George Farwell,	<i>Reading,</i>	T. 63.
Duane, William North,	<i>Marquette, Mich.</i>	96 Prescott St.
Duffield, Samuel Pitts,	<i>Detroit, Mich.</i>	M. 11.
Du Pont, Alexis Irenée,	<i>Wilmington, Del.</i>	W. 49.
Eaton, George Alexander,	<i>Natick,</i>	S. 2.
Estabrook, Harold Kelsey,	<i>Cambridge,</i>	101 Washington Av.
Ewer, Maurice Henry,	<i>Roxbury,</i>	W. H. 42.
Fahnestock, Harris,	<i>New York, N. Y.</i>	Read's Block 26.
Faunce, Charles Merrick,	<i>Kingston,</i>	13 Kirkland Pl.
Follansbee, Mitchell Davis,	<i>Chicago, Ill.</i>	H'y 21.
Forbes, William Cameron,	<i>Milton,</i>	T. 34.
Friedlander, Alfred,	<i>Cincinnati, O.</i>	M. 48.
Frost, Horace Bird,	<i>Belmont,</i>	S. 31.
Fuller, William Eddy, Jr.	<i>Taunton,</i>	M. 52.
Ganson, Joseph Whitney,	<i>New York, N. Y.</i>	S. 26.
Gerould, John Hiram, B.L. (<i>Dart-</i>		
<i>mouth Coll.</i>) 1890,	<i>Hollis, N. H.</i>	7 Waterhouse St.
Gifford, Ralph Waldo,	<i>Somerville,</i>	359 Beacon St.,
Gillespie, Robert McMaster,	<i>New York, N. Y.</i>	G. 42. [Somerville.
Givens, James Edward,	<i>Charlottesville, Va.</i>	5 Eustis Ct., No.
Goodrich, Harold Beach,	<i>So. Boston.</i>	H. 1. [Cambridge.
Googins, Frederick Angus,	<i>Bucksport, Me.</i>	Read's Block 32.
Gould, Theodore Herbert,	<i>London, O.</i>	880 Main St.
Gratwick, William Henry, Jr.	<i>Buffalo, N. Y.</i>	W. H. 6.
Gray, David,	<i>Buffalo, N. Y.</i>	W. H. 6.
Green, Andrew Hugh,	<i>Chicago, Ill.</i>	W. H. 39.
Greenough, Robert Battey,	<i>Cambridge,</i>	W. 44.
Gregory, Harold,	<i>Chicago, Ill.</i>	M. 38.
Gunnell, George, Jr. A.B. (<i>Hobart</i>		
<i>Coll.</i>) 1891,	<i>Beaver, Pa.</i>	12 Amory St.
Hale, Richard Walden,	<i>Boston,</i>	T. 44.
Hall, Lewis, 2d,	<i>Bay Mills, Mich.</i>	W. H. 1.
Hall, Percival,	<i>Washington, D. C.</i>	H. 5.
Hamblin, Nathan Chipman,	<i>Revere,</i>	W. 53.
Hamilton, William Angus, LL.B.		
(<i>Cornell Univ.</i>) 1889,	<i>New York, N. Y.</i>	31 Shepard St.

Hammond, Franklin Tweed,	Cambridgeport,	709 Main St.
Hanson, Charles Lane,	So. Newmarket, N. H.	T. 25.
Hapgood, Hutchins,	Alton, Ill.	T. 14.
Hardie, George Robert, A.B. (St. Lawrence Univ.) 1890,	Canton, N. Y.	61 Oxford St.
Harnly, Henry Jacob, B.S. (Ill. Wesleyan Univ.) 1891,	Auburn, Ill.	C. 3.
Harwood, Robert Winch,	Natick,	H'ke 50.
Hawes, Oliver Kingsley,	Fall River,	T. 21.
Heard, John Theodore, Jr.	Boston,	8 Appian Way.
Hegeman, Adrian Randolph Bennett, A.B. (St. Stephen's Coll.) 1891,	Brooklyn, N. Y.	16 Oxford St.
Hendy, William Rankin,	Emporia, Kans.	18 Trowbridge St.
Hershey, Amos Shartle,	Swatara Station, Pa.	C. 70.
Hibbard, William Gold, Jr.	Chicago, Ill.	Read's Block 6.
Hochstadter, Harry Gans,	New York, N. Y.	W. H. 16.
Hollis, Henry French,	W. Concord, N. H.	W. H. 12.
Horne, Perley Leonard,	Oceanside, Cal.	S. 11.
Howe, Frank Fay,	So. Framingham,	S. 9.
Hubbard, John,	New York, N. Y.	Read's Block 26.
Hubbard, Joshua Clapp,	Boston,	896 Main St.
Hugh, David Douglas, A.B. (Dalhousie Coll.) 1891,	Murray Harbor So., P.E.I.	1586 Cambridge St.
Hunt, Joseph Howland,	New York, N. Y.	896 Main St.
Hyde, Clement Colleston,	Malden,	C. 62.
Ingalls, Melville Edgar, Jr.	Cincinnati, O.	Beck Building 42.
Ingersoll, Francis Alger,	No. Easton,	D. 36.
Jackson, Ernest Higgins,	Chicago, Ill.	11 Appian Way.
Jaques, Louis Curtis,	Somerville,	H. 12.
Jenks, Livingston,	Chicago, Ill.	S. 20.
Johnson, Frederick Warren,	Minneapolis, Minn.	Beck Building 46.
Jones, Herbert Lyon, A.B. (Denison Univ.) 1886, M.S. (Ibid.) 1887,	Granville, O.	C. 23.
Jones, Roy,	Gold Hill, Nev.	25 Holyoke St.
Jones, William Frost,	Boston,	H'y 7.
Jordan, Robert Anson,	Boston Highlands,	W. H. 25.
Kennedy, Frank Lowell,	Cambridge,	W. 44.
Kent, George Albert, Jr.	Binghamton, N. Y.	M. 12.
Kerlin, Isaac Newton, Jr.	Elwyn, Pa.	T. 58.
Kidder, James Hathaway,	Brooklyn, N. Y.	Shepherd Block 3.
Lake, Everett John, S.B. (Worcester Poly. Inst.) 1890,	Rockville, Conn.	26 Holyoke St.
Lamont, Thomas William,	New York, N. Y.	T. 16.

Landon, Hugh McKennan,	<i>Kokomo, Ind.</i>	H'y 16.
Latham, Allen,	<i>Lancaster,</i>	C. 66.
Leach, Robert Ephraim, A.B. (<i>Univ. of Iowa</i>) 1889,	<i>Independence, Ia.</i>	18 Trowbridge Pl.
Lee, Henry Newman,	<i>Hartford, Conn.</i>	S. 6.
Lemann, Ferdinand Bernard,	<i>Donaldsonville, La.</i>	G. 48.
Lewis, John Beavens, 8d,	<i>Reading,</i>	C. 67.
Lincoln, Ezra,	<i>New York, N. Y.</i>	Little's Block 25.
Littlefield, Walter,	<i>Roxbury,</i>	40 Williams St.,
Lloyd, Henry Burroughs,	<i>Philadelphia, Pa.</i>	G. 44. [Roxbury.
Lockett, Arthur Hobart,	<i>New York, N. Y.</i>	W. H. 28.
Long, William Joseph,	<i>No. Attleboro'</i>	18 Plympton St.
Loring, Robert Gardner,	<i>Boston,</i>	H'ke 40.
Loring, Richard Tuttle,	<i>Boston,</i>	H'ke 40.
Lovett, Robert Morss,	<i>Roxbury,</i>	T. 57.
Lowell, Guy,	<i>Boston,</i>	739 Cambridge St.
Lythgoe, Albert Morton,	<i>Providence, R. I.</i>	M. 45.
MacDonald, William,	<i>Cambridge,</i>	64 Buckingham St.
McKay, George Theodore,	<i>Boston,</i>	78 Mt. Auburn St.
McKelleget, George Francis,	<i>Cambridge,</i>	709 Cambridge St.
Mellish, Arthur James Benjamin, A.B. (<i>Mount Allison Coll.</i>) 1890,	<i>Charlottetown, P. E. I.</i>	16 Oxford St.
Meyer, Hugo Richard,	<i>Denver, Col.</i>	7 Sumner St.
Millard, Almon Hopkins,	<i>Albany, N. Y.</i>	
Moore, Edward Muzzey,	<i>Littleton,</i>	11 Felton St.
Morse, Ernest Roswell A.B. (<i>Aca-</i> <i>dia Coll.</i>) 1887,	<i>Paradise, N. S.</i>	1586 Cambridge St.
Morton, James Ferdinand, Jr.	<i>Andover, N. H.</i>	C. 46.
Mosher, Harris Peyton,	<i>Brookline,</i>	G. 22.
Motte, Mellish Irving,	<i>Boston,</i>	Little's Block 13.
Moulton, John Grant,	<i>Jamaica Plain,</i>	G. 22.
Newell, Franklin Spilman,	<i>Roxbury,</i>	Shepherd Block 12.
Nichols, Morton Colton,	<i>New York, N. Y.</i>	H'ke 35.
Nicola, George Washington,	<i>Cleveland, O.</i>	24 Holyoke St.
Nicolls, Frederick William,	<i>Reading, Pa.</i>	W. H. 49.
Norton, Herbert Hayes,	<i>Winona, Minn.</i>	T. 31.
Norton, Richard,	<i>Cambridge,</i>	Irving St.
O'Connor, William Francis,	<i>Newmarket, N. H.</i>	40 Kirkland St.
Oliver, William Hutchinson Pynchon,	<i>New York, N. Y.</i>	G. 21.
Orcutt, William Dana,	<i>Dorchester,</i>	M. 32.
Page, George Thornton,	<i>Cambridge,</i>	113 Inman St.
Patterson, Andrew Henry, P.H.B., B.E. (<i>Univ. of North Carolina</i>) 1891,	<i>Salem, N. C.</i>	22 Mt. Auburn St.

Patterson, Thomas Fatzinger, Jr.	<i>Boston,</i>	H'ke 14.
Peabody, William Huntington, Jr.	<i>Buffalo, N. Y.</i>	H'y 8.
Pearson, Henry Carr,	<i>E. Saugus,</i>	G. 1.
Peckham, Alexander Irving,	<i>Newport, R. I.</i>	W. 38.
Perkins, James Martin,	<i>Tamworth, N. H.</i>	S. 4.
Perry, Arthur Reed,	<i>Attleboro',</i>	H. 23.
Perry, James DeWolf, Jr., A.B.		
(<i>Univ. of Pennsylvania</i>) 1891,	<i>Germantown, Pa.</i>	68 Mt. Auburn St.
Perry, Richard Ross, Jr.	<i>Washington, D.C.</i>	25 Holyoke St.
Phelps, George Turner,	<i>San Francisco, Cal.</i>	16 Linnaean St.
Pierce, Edgar,	<i>Boston,</i>	404 Harvard St.
Pinkham, Edward Warwick,	<i>Lynn,</i>	G. 29.
Poole, Frank Ernest,	<i>So. Boston,</i>	604 Sixth St.,
Porter, Valentine Mott,	<i>St. Louis, Mo.</i>	H'y 10. [So. Boston.
Potter, Henry Staples, Jr.	<i>Boston,</i>	H'y 10.
Powers, John Craig,	<i>Rochester, N. Y.</i>	Shepherd Block 13.
Priest, George Wesley,	<i>Watertown,</i>	
Putnam, James Lowell,	<i>Cambridge,</i>	24 Quincy St.
Ramsay, Charles Cornell,	<i>Cambridge,</i>	D. 10.
Rankin, James Walter,	<i>Pittsburgh, Pa.</i>	1686 Cambridge St.
Rantoul, Neal,	<i>Salem,</i>	896 Main St.
Raymond, William Tyng, A.B.		
(<i>Univ. of New Brunswick</i>)		
1883,	<i>Hampton, N. B.</i>	13 Kirkland Pl.
Reed, Eugene Austinella, Jr.	<i>Allston,</i>	98 Gardner St.,
		Allston.
Robbins, Reginald Chauncey,	<i>Boston,</i>	Hilton Block 21.
Rogerson, Robert,	<i>Mansfield,</i>	C. 40.
Ross, Winfred Smith, A.B. (<i>Dart-</i>		
<i>mouth Coll.</i>) 1887,	<i>Great Falls, N.H.</i>	290 Harvard St.
Rubel, Joseph Little,	<i>Somerville,</i>	C. 46.
Saltonstall, Robert,	<i>Boston,</i>	896 Main St.
Scudder, Gardiner Hubbard,	<i>Cambridge,</i>	T. 6.
Shattuck, Joseph, Jr.	<i>Lawrence,</i>	W. H. 45.
Shea, William Henry,	<i>Boston,</i>	G. 41.
Sheffield, Joseph Buckingham,	<i>Saugerties-on-Hud-</i>	
	<i>son, N. Y.</i>	W. 42
Shepard, Ralph Hamilton,	<i>New Haven, N. Y.</i>	M. 9.
Siedhof, Carl Ferdinand August,	<i>Cambridge,</i>	32 Irving St.
Simpson, Henry Young, Jr.	<i>Worcester,</i>	M. 57.
Smith, Jeremiah, Jr.	<i>Dover, N.H.</i>	Hilton Block 10.
Smith, Laton Carl, A.B. (<i>Delaware</i>		
<i>Coll.</i>) 1891,	<i>Milford Centre, O.</i>	56 Mt. Auburn St.'

Smith, Lyman Gorham,	<i>Salem,</i>	437 Shawmut Ave., Boston.
Smith, Theodore Clarke,	<i>Boston,</i>	Wadsw'th House 13.
Spalding, Philip Leffingwell,	<i>Cambridge,</i>	28 Holyoke St.
Starkey, Foster Henry, A.B. (<i>Bucknell Univ.</i>) 1891,	<i>Mansfield, Pa.</i>	6 Story St.
Steedman, George Fox,	<i>St. Louis, Mo.</i>	Beck Building 46.
Stephens, George, Jr.	<i>Somerville,</i>	H. 12.
Stevens, Joseph Earle,	<i>Boston,</i>	W. 38.
Stewart, Frank Hubert,	<i>Melrose Highlands,</i>	H. 4.
Tassin, Algernon de Vivier,	<i>Washington, D. C.</i>	G. 15.
Tebbetts, Theodore Charles,	<i>Lynn,</i>	H'ke 32.
Thompson, Leverett,	<i>Chicago, Ill.</i>	H'y 24.
Thompson, Lewis Sabin,	<i>Cambridge,</i>	62 Buckingham St.
Thorndike, William,	<i>Cambridge,</i>	G. 28.
Tryon, Winthrop Pitt,	<i>Boston,</i>	C. 12.
Van Brunt, Charles Gershom,	<i>Kansas City, Mo.</i>	H'y 13.
Van Rensselaer, Stephen,	<i>Albany, N. Y.</i>	16 Dunster St.
Viles, George Burrige,	<i>Lowell,</i>	C. 2.
Walcott, Charles,	<i>Cambridge,</i>	M. 24.
Walker, Charles Cobb,	<i>Chicago, Ill.</i>	9 Bow St.
Walker, Ernest George,	<i>Emden, Me.</i>	C. 65.
Ward, Stanley,	<i>So. Orange, N. J.</i>	H'ke 1.
Watriss, Frederic Newell,	<i>Chicago, Ill.</i>	Beck Building 6.
Webber, Arthur Balcom,	<i>Cambridge,</i>	777 Main St.
Weed, William Maury,	<i>Savannah, Ga.</i>	T. 62.
Wendell, Jacob, Jr.	<i>New York, N. Y.</i>	
Westcott, William Read,	<i>Cambridge,</i>	H'y 13.
Whitcomb, Howard,	<i>Boston,</i>	M. 43.
White, Alexander Moss, Jr.	<i>Brooklyn, N. Y.</i>	H'ke 49.
White, Eliot,	<i>New York, N. Y.</i>	Little's Block 25.
Whitford, Edward Dwight,	<i>Waltham,</i>	T. 63.
Whitmarsh, Joshua,	<i>Neponset,</i>	H'y 7.
Whitmore, Louis Gardner,	<i>Cambridge,</i>	36 North Ave.
Whittemore, Francis Lee,	<i>Cambridge,</i>	15 Follen St.
Wiggin, William Harrison, Jr.	<i>Auburn, Me.</i>	S. 14.
Wilcox, Earley Vernon, A.B. (<i>Oberlin Coll.</i>) 1890,	<i>Columbus, O.</i>	46 Mt. Auburn St.
Willard Henry Francis,	<i>Dorchester,</i>	W. H. 42.
Williams, Frederick Hadley,	<i>Buffalo, N. Y.</i>	M. 20.
Williams, Herbert Pelham,	<i>Greenbush, N. Y.</i>	H. 17.
Wolff, Samuel Lee,	<i>New York, N. Y.</i>	C. 4.
Wood, Harry,	<i>Natick,</i>	M. 22.

Wood, Robert Colgate,	<i>New York, N. Y.</i>	Beck Building 44.
Wood, Samuel Kay,	<i>Chicago, Ill.</i>	W. 31.
Woods, Arthur Hale,	<i>Boston,</i>	W. 33.
Wrenn, Everts,	<i>Chicago, Ill.</i>	18 Story St.
Wright, James Hayden,	<i>Calumet, Mich.</i>	W. H. 1.
Wright, William Hammond,	<i>Townsend,</i>	S. 27.
Wyatt-Hannath, William Henry,		
TH. GR. (<i>London Coll. of Divinity</i>) 1880,	<i>Yankton, S.D.</i>	13 Mt. Auburn St.
Young, William Hill,	<i>Cambridge,</i>	T. 9.

Junior Class.

Abbott, Ernest Hamlin,	<i>Brooklyn, N. Y.</i>	H. 8.
Adams, Walter Sawyer,	<i>Worcester,</i>	Read's Block 22.
Alden, John,	<i>Portland, Me.</i>	H'ke 17.
Allen, Freeman,	<i>Boston,</i>	25 Holyoke St.
Allison, William Henry,	<i>Cambridge,</i>	11 Humboldt St.
Amory, Ingersoll,	<i>Boston,</i>	8 Holyoke St.
Anderson, Fred Howes,	<i>Wakefield,</i>	Wakefield.
Apsey, Albert Stokes,	<i>Cambridge,</i>	11 Cogswell Ave.
Atherton, Percy Lee,	<i>Boston,</i>	H. 8.
Ayer, Walter,	<i>Chicago, Ill.</i>	Hilton Block 12.
Bailey, Willis Adams,	<i>Zanesville, O.</i>	H'y 5.
Baker, Walter Farnsworth,	<i>Boston,</i>	Little's Block 27.
Baldwin, Columbus Calvert,	<i>New York, N. Y.</i>	Manter Block 3.
Baldwin, John Denison,	<i>Worcester,</i>	G. 13.
Ballou, Sidney Miller,	<i>Boston,</i>	13 Claremont Pk.,
Bardeen, Charles Russell,	<i>Syracuse, N. Y.</i>	W. 2. [Boston.
Barlow, Charles Lowell,	<i>New York, N. Y.</i>	24 Holyoke St.
Bartlett, Murray Augustus,	<i>Poughkeepsie, N. Y.</i>	W. H. 22.
Bass, Lewis, Jr.	<i>Quincy,</i>	W. H. 21.
Batchelder, Samuel Francis,	<i>Cambridge,</i>	W. 2.
Bates, Harry Wakefield,	<i>Newton Centre,</i>	Quincy Building 1.
Bell, Gordon Knox,	<i>New York, N. Y.</i>	W. H. 53.
Bennett, Edward Mellen,	<i>Wayland,</i>	F. 4.
Bergengren, Ralph Wilhelm,	<i>Lynn,</i>	M. 3.
Berry, Henry Newhall,	<i>Lynn,</i>	W. H. 48.
Billings, Edgar Francis,	<i>Newton,</i>	W. H. 14.
Bisbee, Ralph,	<i>Brooklyn, N. Y.</i>	M. 20.
Blagden, Dexter,	<i>New York, N. Y.</i>	9 Linden St.
Blake, Charles Arthur,	<i>Boston,</i>	H. 13.

Blake, Francis Stanton,	<i>Boston,</i>	Beck Building 32.
Blake, George Baty,	<i>Boston,</i>	Beck Building 32.
Blake, Henry Fordyce,	<i>Belmont,</i>	F. 3.
Bowie, Augustus Jesse, Jr.	<i>San Francisco, Cal.</i>	W. H. 5.
Bowler, Robert Pendleton,	<i>New York, N. Y.</i>	5 Linden St.
Bowles, Ralph Hartt,	<i>Cherryfield, Me.</i>	C. 31.
Brabrook, George Hale,	<i>Taunton,</i>	Little's Block 11.
Brewer, Calvert,	<i>So. Orange, N. J.</i>	W. H. 13.
Broughton, Arthur Nicholson,	<i>Jamaica Plain,</i>	G. 40.
Brown, Philip Turner,	<i>New York, N. Y.</i>	48 Brattle St.
Browne, Arthur Taber,	<i>Des Moines, Ia.</i>	W. H. 58.
Burgess, George Ebenezer,	<i>Dedham,</i>	Read's Block 18.
Burke, Ernest Gisborne,	<i>Quincy,</i>	H. 16.
Burrows, Percy Fletcher,	<i>Lowell,</i>	T. 47.
Burt, Edward Angus,	<i>E. Galway, N. Y.</i>	Howland St.
Butler, Charles Shorey,	<i>Boston,</i>	W. 46.
Cabot, Stephen Perkins,	<i>Brookline,</i>	G. 32. [E. Boston.
Campbell, Patrick Thomas,	<i>E. Boston,</i>	11 Everett St.,
Carpenter, Edward Heman,	<i>Brookline,</i>	7 Bow St.
Cary, Walter,	<i>Milwaukee, Wis.</i>	W. H. 10.
Chapman, Giorgio,	<i>Fairfield, Conn.</i>	Read's Block 6.
Chase, Clifford Hoffman,	<i>Haverhill,</i>	W. H. 43.
Chew, Samuel,	<i>Boston,</i>	Read's Block 18.
Churchill, Donald,	<i>Andover,</i>	T. 67.
Clagstone, Paul,	<i>Minneapolis, Minn.</i>	H'ke 5.
Clarke, Albert Sidney Gregg,	<i>Philadelphia, Pa.</i>	M. 44.
Cochrane, Alexander Lynde,	<i>Boston,</i>	Hilton Block 37.
Cochrane, John Ira,	<i>E. Dorset, Vt.</i>	S. 16.
Coffin, Edward Russell,	<i>Lynn,</i>	W. H. 37.
Collamore, Gilman,	<i>New York, N. Y.</i>	T. 38. [ville.
Connolly, John Lawrence Sarsfield,	<i>Somerville,</i>	29 Cutter St., Somer-
Conro, Arthur Clifton,	<i>Marion,</i>	C. 16.
Converse, Frederick Sheppard,	<i>Newton,</i>	30 Holyoke St.
Cook, Charles Emerson,	<i>Boston,</i>	W. 13.
Cook, Howard Hamblet,	<i>Salem,</i>	H'y 6.
Cotter, James Ambrose,	<i>Indianapolis, Ind.</i>	H. 6.
Cottrell, William Norman, B.S.		
(<i>Ill. Wesleyan Univ.</i>) 1891,	<i>Mason City, Ill.</i>	65 Oxford St.
Crowley, John Henry,	<i>Washington, D. C.</i>	44 Mt. Auburn St.
Cummings, Charles Kimball,	<i>Boston,</i>	18 Plympton St.
Currier, Frank Joselyn,	<i>Lynn,</i>	W. H. 37.
Curtis, George De Clyver,	<i>New York, N. Y.</i>	68 Mt. Auburn St.
Cushing, Walter Howard,	<i>Medford,</i>	C. 43.

Dakin, Francis John Veits,	<i>Roslindale,</i>	G. 1.
Dallinger, Frederick William,	<i>Cambridge,</i>	384 Broadway.
Darling, Edward Crosby,	<i>Milford, N. H.</i>	4 Orchard St.
Davis, Philip Whitney,	<i>Cambridge,</i>	110 Irving St.
Davis, Samuel Craft,	<i>St. Louis, Mo.</i>	W. H. 29.
Davis, William Horace,	<i>Holyoke,</i>	C. 29.
Dearborn, Ambrose Collyer,	<i>Melrose,</i>	H. 4.
De Normandie, Charles Lunt,	<i>Roxbury,</i>	G. 14.
Dent, Louis Lee,	<i>Salem, Mo.</i>	14 Sumner St.
Dibblee, Albert James,	<i>San Rafael, Cal.</i>	W. H. 55.
Dimmick, Joseph Phillips, A.B.		
(<i>Univ. of Alabama</i>) 1889,	<i>Montgomery, Ala.</i>	50 Winthrop St.
Dodge, Robert Gray,	<i>Newburyport,</i>	W. H. 47. [Boston.
Dolan, John Joseph,	<i>Boston,</i>	50 W. Cedar St.,
Douglas, Walter Cazenove, Jr.	<i>Philadelphia, Pa.</i>	H'ke 48.
Dow, Henry Abijah Thompson,	<i>Woburn,</i>	H. 2.
Draper, Charles Martin,	<i>Roxbury,</i>	M. 16.
Duffield, Divie Bethune,	<i>Detroit, Mich.</i>	M. 11.
Earle, Daniel Osborne,	<i>Worcester,</i>	M. 42.
Eaton, Horace Ainsworth,	<i>Cambridge,</i>	362 Harvard St.
Eichinger, John Waldo,	<i>Decatur, Ill.</i>	36 Mt. Auburn St.
Ellsworth, Samuel Walker,	<i>Braintree,</i>	T. 67.
Emmet, Robert Griswold,	<i>New York, N. Y.</i>	Hilton Block 33.
Falk, Clarence Rudolph,	<i>Milwaukee, Wis.</i>	Read's Block 20.
Farley, Frank Edgar,	<i>Lawrence,</i>	G. 36. [Roxbury.
Farnsworth, William Oliver,	<i>Roxbury,</i>	2550 Washington St.,
Farwell, Sidney Emerson,	<i>St. Paul, Minn.</i>	H'y 16.
Fay, Alfred Chase,	<i>Chelsea,</i>	C. 33.
Fay, Harrison Gilbert,	<i>Chelsea,</i>	C. 33.
Fearing, George Richmond, Jr.	<i>Newport, R. I.</i>	Manter Block 3.
Fiske, Charles Henry, Jr.	<i>Weston,</i>	W. H. 54.
Fiske, Philip Sidney,	<i>Cambridge,</i>	G. 19.
Flint, Herbert Lincoln,	<i>Cambridge,</i>	8 Chauncy St.
Francis, Nathaniel Leavitt,	<i>Newton,</i>	Read's Block 2.
Frantz, Elmer Hollinger,	<i>Millersville, Pa.</i>	59 Mt. Auburn St.
Freark, Frederick Aaron, A.B.		
(<i>Blackburn Univ.</i>) 1891,	<i>Fosterburg, Ill.</i>	140 Mt. Auburn St.
Fridenberg, Solomon Louis,	<i>Philadelphia, Pa.</i>	T. 1.
Friedman, Lee Max,	<i>Boston,</i>	H'y 6.
Frizell, Arthur Bowes,	<i>Dorchester,</i>	14 Sumner St.
Frothingham, Louis Adams,	<i>Jamaica Plain,</i>	8 Holyoke St.
Furber, William Harry,	<i>Boston,</i>	T. 18.
Gade, Fredrik Herman Johan,	<i>Christiania, Norway,</i>	5 Berkeley St.

Gallivan, Frank Bernard,	<i>So. Boston,</i>	H. 30.
Gans, Howard Schiffer,	<i>New York, N. Y.</i>	W. H. 16.
Gay, Charles Merrick, Jr.	<i>Newton,</i>	W. H. 41.
Gifford, Thomas Ashley,	<i>Springfield,</i>	H. 3.
Gilbert, Louis Whitmore,	<i>Boston,</i>	W. H. 11.
Goetz, Philip Becker,	<i>Buffalo, N. Y.</i>	H'y 4.
Gordon, Arthur Hale,	<i>Boston,</i>	T. 11.
Gould, Edson Jones,	<i>Rochester, N. H.</i>	37 Cogswell Ave.
Grant, Frederick Louis,	<i>Winsted, Conn.</i>	19 Church St.
Griswold, George, 2d,	<i>New York, N. Y.</i>	9 Bow St.
Guerin, Michael Henry,	<i>Chicago, Ill.</i>	M. 2.
Hahn, Andrew,	<i>Newton,</i>	D. 5.
Hale, Albert, Jr.	<i>Dedham,</i>	12 Oxford St.
Hall, Lewis Coleman,	<i>Boston,</i>	Shepherd Block 5.
Hall, Samuel Prescott,	<i>Scotch Plains, N. J.</i>	W. 14. [Boston.
Hall, Thomas, Jr.	<i>Boston,</i>	46 W. Newton St.,
Hallowell, Frank Walton,	<i>W. Medford,</i>	T. 7.
Hand, Billings Learned,	<i>Albany, N. Y.</i>	W. H. 4.
Hart, John Goddard,	<i>Newport, R. I.</i>	C. 22.
Harwood, John Henry,	<i>Newton,</i>	W. H. 31.
Hastie, Drayton Franklin,	<i>Charleston, S. C.</i>	25 Holyoke St.
Hawes, Charles Sumner,	<i>Winchester,</i>	W. 53.
Hawes, Oscar Brown,	<i>Newton Centre,</i>	Wadsworth House 9.
Henshaw, Oliver Bridges,	<i>Cambridge,</i>	49 Linnaean St.
Herrick, Roy Durand,	<i>Minneapolis, Minn.</i>	Little's Block 1.
Heywood, William Carter,	<i>Newton Highlands,</i>	W. H. 58.
Hickey, James Henry,	<i>Boston,</i>	50 W. Cedar St.,
Hildreth, Henry Arthur,	<i>Boston,</i>	W. H. 35. [Boston.
Hiler, Ernest Osgood,	<i>Jamaica Plain,</i>	T. 26.
Hoadley, David,	<i>Elizabeth, N. J.</i>	739 Cambridge St.
Hoppin, Joseph Clark,	<i>Pomfret, Conn.</i>	Hilton Block 6.
Hoppin, Tracy,	<i>Providence, R. I.</i>	12 Oxford St.
Howe, Everett Chase,	<i>Marlboro',</i>	13 Kirkland Pl.
Howerth, Ira Woods, A.B.		
<i>(Northern Indiana Normal</i>		
<i>School) 1885,</i>		
Hubbell, Chauncey Giles,	<i>Santa Ana, Cal.</i>	1 Winthrop Sq.
Hughes, John Thomas,	<i>Orange, N. J.</i>	54 Garden St.
Hume, George Edgar,	<i>Brighton,</i>	1 Parkman St.,
Hunt, Edward Livingston,	<i>Indianapolis, Ind.</i>	W. H. 43. [Brighton.
Hunter, Robert William,	<i>New Orleans, La.</i>	T. 16.
Huntington, Charles Pratt,	<i>Cambridge,</i>	11 Appian Way.
Hussey, Alfred Rodman,	<i>Wollaston,</i>	890 Main St.
	<i>New Bedford,</i>	W. H. 7.

Hutchinson, Harold,	<i>Newton,</i>	M. 1.
Hutchison, Charles Edward,	<i>Newtonville,</i>	H'y 4.
Ingalls, George Hoadly,	<i>Cincinnati, O.</i>	78 Mt. Auburn St.
Jackson, Frederick Gibbs,	<i>Dorchester,</i>	126 Mt. Auburn St.
Jackson, Patrick Tracy, 3d,	<i>Cambridge,</i>	17 Follen St.
Jaggat, Thomas Augustus, Jr.	<i>Cincinnati, O.</i>	354 Harvard St.
Jones, Daniel Fiske,	<i>Minneapolis, Minn.</i>	Little's Block 1.
Jones, Edward Renshaw,	<i>New York, N. Y.</i>	Hilton Block 32.
Jose, Ernest Parlin,	<i>Cambridge,</i>	Austin St.
Kelton, George Howard,	<i>E. Hubbardston,</i>	90 Brattle St.
Kennedy, Richard Hunter,	<i>Chattanooga, Tenn.</i>	H'ke 45.
Kent, Harry Franklin,	<i>Binghamton, N. Y.</i>	M. 12.
Keyes, Charles Walter,	<i>Boston,</i>	H'y 18.
Kidder, Frederick Palmer,	<i>Lincoln,</i>	S. 5.
Kimball, David,	<i>Boston,</i>	Hilton Block 31.
Landes, Harry,	<i>Carroll, Ind.</i>	46 Mt. Auburn St.
Lapsley, Gaillard Thomas,	<i>New York, N. Y.</i>	Read's Block 30.
Larrabee, Ralph Clinton,	<i>Boston,</i>	W. H. 61.
Latham, George Warrington,	<i>Auburn, N. Y.</i>	54 Garden St.
Lecompte, Walter Augustus,	<i>Newton Centre,</i>	W. H. 31.
Lewis, Hume,	<i>Evanston, Ill.</i>	H'y 21.
Lincoln, Charles Henry,	<i>Millbury,</i>	W. 25.
Livingston, Edward, Jr.	<i>New York, N. Y.</i>	48 Brattle St.
Low, Harry Chamberlain,	<i>Salem,</i>	M. 44.
Lucas, Francis Crump,	<i>Columbus, Ind.</i>	1734 Cambridge St.
Luce, William,	<i>Fort Smith, Ark.</i>	H'ke 48.
Lyon, Howard,	<i>Cambridge,</i>	44 Langdon St.
McDaniel, Walton Brooks,	<i>Cambridge,</i>	69 Dana St.
McIntire, Stephen Andrew,	<i>Webster,</i>	T. 40.
McLaughlin, Frederick Chase,	<i>Somerville,</i>	226 Elm St.,
Malone, Llewellyn John,	<i>Cambridge,</i>	C. 63. [Somerville.
Manchester, Percival,	<i>Cambridge,</i>	Hilton Block 19.
Manley, Joseph,	<i>Normal, Ill.</i>	S. 8.
Marcy, Henry Orlando, Jr.	<i>Boston,</i>	W. H. 14.
Martin, Frederick Roy,	<i>Cambridge,</i>	344 Harvard St.
Marvin, Selden Erastus, Jr.	<i>Albany, N. Y.</i>	W. 19.
Maynard, Walter Effingham Hollister,	<i>New York, N. Y.</i>	Read's Block 30.
Mendel, Edwin Marcus,	<i>Milwaukee, Wis.</i>	W. H. 18.
Merriam, Charles,	<i>Weston,</i>	W. H. 54.
Millan, Albion Leroy,	<i>Cambridge,</i>	12 DeWolf St.
Miller, Ralph Gifford,	<i>New York, N. Y.</i>	W. 10.
Moody, Charles Edward,	<i>E. Andover, N. H.</i>	D. 26.
Moody, William Vaughn Stoy,	<i>Lafayette, Ind.</i>	S. 18.

Moore, Fred Wadsworth,	<i>Cambridge,</i>	392 Harvard St.
Morris, Alvin Alexander,	<i>Quincy, Ill.</i>	1686 Cambridge St.
Mulford, Roland Jessup,	<i>Cambridge,</i>	41 Bowdoin St.
Mullins, Edwin Stanton,	<i>Allegheny, Pa.</i>	9 Bow St.
Muzzey, David Saville,	<i>Lexington,</i>	T. 51.
Nash, Howard Pervear,	<i>Chelsea,</i>	C. 44.
Nichols, Howard Gardner,	<i>Newton,</i>	H. 10.
Nichols, Joseph Longworth,	<i>Cincinnati, O.</i>	7 Linden St.
Nichols, Walter Clark,	<i>Buffalo, N. Y.</i>	30 Holyoke St.
Ninde, Daniel Benjamin,	<i>Fort Wayne, Ind.</i>	50A Kirkland St.
Nowell, Harrison Pickering,	<i>Boston,</i>	Beck Building 36.
Nutter, Charles Read,	<i>Boston,</i>	W. H. 60.
Oliver, Thomas Edward,	<i>Salem,</i>	H'ke 11.
Osborn, Louis Ernest,	<i>Cincinnati, O.</i>	W. H. 24.
Page, George Alfred,	<i>Brookline,</i>	H'y 1.
Palmer, Corwin Ford,	<i>Dresden, O.</i>	17 Mellen St.
Parker, John Harleston,	<i>Cambridge,</i>	53 Oxford St.
Parrington, Vernon Louis,	<i>Emporia, Kans.</i>	13 Mt. Auburn St.
Parsons, William Edwin,	<i>Newton Centre,</i>	12 Kirkland Pl.
Patterson, Horace Wilbur,	<i>Boston,</i>	H'ke 14.
Pearson, Henry Greenleaf,	<i>Portland, Me.</i>	T. 56.
Pease, Walter Albert, Jr.	<i>New York, N. Y.</i>	W. 18.
Perkins, Richard Francis,	<i>Cambridge,</i>	12 Garden St.
Pierce, Carl Horton,	<i>Chicago, Ill.</i>	Shepherd Block 8.
Pierce, George Burgess,	<i>Milton,</i>	12 Oxford St.
Pike, Charles Burrall,	<i>Chicago, Ill.</i>	Beck Building 47.
Porter, Charles Hunt, Jr.	<i>Quincy,</i>	W. 43.
Porter, James Otis,	<i>Boston,</i>	Shepherd Block 10.
Potter, Warwick,	<i>New York, N. Y.</i>	Beck Building 21.
Pressey, Edward Pearson,	<i>Brentwood Corner,</i>	
	<i>N. H.</i>	C. 16.
Purington, Chester Wells,	<i>Boston,</i>	H. 3. [bury.
Ray, Thomas Francis,	<i>Roxbury,</i>	29 Forest St., Rox-
Reed, William Maxwell,	<i>Andover,</i>	S. 17.
Rhodes, John Harsen, Jr.,	<i>New York, N. Y.</i>	739 Cambridge St.
Rhodes, Harrison Garfield,	<i>Cleveland O.</i>	44 Brattle St.
Riphey, Thresher Ames,	<i>San Diego, Cal.</i>	H. 9.
Roberts, Lewis Niles,	<i>Boston,</i>	404 Harvard St.
Rogers, Edward Hartwell,	<i>Cambridge,</i>	53 Norfolk St.
Rounsaville, Benjamin Hill,	<i>Lafayette, Ind.</i>	S. 17.
Sanborn, Walter Lincoln,	<i>Newton Centre,</i>	W. H. 38.
Sanders, Louis Peck,	<i>Helena, Montana,</i>	W. H. 2.
Sanders, Nathaniel Saltonstall Howe,	<i>Haverhill,</i>	34 North Ave.

Saville, Huntington,	Cambridge,	Hilton Block 27.
Schurz, Carl Lincoln,	New York, N. Y.	T. 36.
Sears, Harry Edward,	Boston,	T. 11.
Sears, Langley Barnas,	Brookline,	Scott St.
Shaw, Edgar Dwight,	Leominster,	473 Broadway.
Shaw, Hubert Grover,	Oberlin, O.	11 Appian Way.
Shead, Oliver Wadsworth,	Eastport, Me.	G. 11.
Sherwood, Howard Cocks,	Spokane, Wash.	96 Prescott St.
Sibley, George Frederick,	Salem,	14 Oxford St.
Simpson, Burnett Newell,	Kansas City, Kans.	750 Cambridge St.
Slade, Conrad Hensler,	Chestnut Hill,	F. 8.
Smith, Edmund Botterell, A.B.		
(Dalhousie College) 1891,	Truro, N.S.	97 Columbia St.
Smith, Howard Caswell,	New York, N. Y.	Hilton Block 29.
Smith, Robert Gasten, M.E. (Stevens Inst. of Tech.) 1889,	Plainfield N. J.	W. 26.
Soren, Townsend Hodges,	Brookline,	T. 65.
Southwick, Horace Claffin,	New York, N. Y.	1734 Cambridge St.
Spalding, Fred Maurice,	Cambridge,	8 Scott St.
Spurr, Josiah Edward,	Gloucester,	C. 9.
Stearns, Frederick St. John,	No. Cambridge,	47 Trowbridge St.
Stearns, Francis Upham,	Watertown,	T. 18.
Stearns, William Brackett,	Cambridge,	77 Mt. Auburn St.
Stetson, Frank Eliot,	New Bedford,	W. H. 7.
Stevens, Ralph Leslie,	Cambridge,	56 Wendell St.
Stickney, Henry Harding,	Chelsea,	G. 52.
Stone, Arthur Parker,	Cambridge,	132 North Ave.
Stone, Richmond,	New York, N. Y.	68 Mt. Auburn St.
Straus, Jesse Isidor,	New York, N. Y.	W. 4.
Strong, Lawrence Watson,	Waban,	W. 54.
Strong, William James Henry,	Brookline,	W. H. 44.
Stubbs, Frank Raymond,	Cambridge,	45 Pearl St.
Sturgis, Charles Russell,	Boston,	7 Linden St.
Sylvester, Thomas Henry, Jr.	Arlington Heights,	Arlington Heights.
Taussig, Frederick Joseph,	St. Louis, Mo.	W. 29.
Taussig, John Clarence,	St. Louis, Mo.	W. 29.
Taylor, William Osgood,	Boston,	Little's Block 30.
Teetzel, Harry Lorenzo,	Milwaukee, Wis.	81 North Ave.
Thaxter, Eben Blanchard,	Cambridge,	C. 30.
Thompson, William Leland,	Troy, N. Y.	Hilton Block 34.
Totten, Howe,	Washington, D.C.	T. 4. [Somerville.
Townsend, Edward Sands,	Somerville,	17 Dartmouth St.
Townsend, Frederick, Jr.	Albany, N. Y.	W. H. 4.

Trafford, Bernard Walton,	<i>Fall River,</i>	M. 5.
Turner, George,	<i>Dubuque, Ia.</i>	5 Gerry St.
Upton, Joshua Damon.	<i>No. Reading,</i>	20 Trowbridge St.
Vail, Davis Righter,	<i>Boston,</i>	H'ke 4.
Villard, Oswald Garrison,	<i>New York, N. Y.</i>	Little's Block 12.
Virtue, George Ole,	<i>Bedford, Ia.</i>	17 Mellen St.
Walcott, George,	<i>Cambridge,</i>	11 Waterhouse St.
Ware, Henry,	<i>Milton,</i>	H. 32.
Webster, Joseph Rowe,	<i>Dorchester,</i>	126 Mt. Auburn St.
Weld, Edward Motley,	<i>Dedham,</i>	T. 8.
Whipple, George Albert,	<i>Somerville,</i>	87 Thurston St.,
White, Herbert Hill,	<i>Cambridge,</i>	G. 12. [Somerville.
Whiting, James Raynor, Jr.	<i>New York, N. Y.</i>	Beck Building 37.
Whitmore, Charles Edward, Jr.	<i>Newton,</i>	C. 51.
Whittemore, Benjamin Arthur,	<i>Cambridge,</i>	S. 14.
Whyte, Oliver, Jr.	<i>Medford,</i>	18 Story St.
Wiggin, Joseph,	<i>Malden,</i>	W. H. 12.
Wilder, James Austin,	<i>Honolulu, Hawaiian</i>	
	<i>Islands,</i>	H'y 3.
Williams, Franklin James,	<i>Chelsea,</i>	11 Hilliard St.
Wilson, George Perry,	<i>Pittsburgh, Pa.</i>	729 Cambridge St.
Winship, George Parker,	<i>Somerville,</i>	74 Perkins St.,
Winsor, Frederick,	<i>Weston,</i>	H. 32. [Somerville.
Wood, Ernest Henry,	<i>Worcester,</i>	M. 42.
Young, Charles Lowell,	<i>Somerville,</i>	13 Kirkland Pl.
Young, Frank Lester,	<i>Harvard, Ill.</i>	H'ke 39.

Sophomore Class.

Abbé, Cleveland, Jr.	<i>Washington, D. C.</i>	D. H. 3.
Ahlers, Louis Anton Ernst,	<i>New Bedford,</i>	T. 20.
Alford, Edward Balch,	<i>Brookline,</i>	M. 47.
Arnold, James Dwight,	<i>No. Abington</i>	Felton Building 19.
Atkinson, Roger Trowbridge,	<i>Wakefield,</i>	739 Cambridge St.
Atwood, Bartlett Robbins,	<i>Malden,</i>	D. H. 5.
Bachelor, William Popple,	<i>Newport, R. I.</i>	C. 22.
Bacon, Louis,	<i>Boston,</i>	896 Main St.
Bacon, Robert,	<i>Arlington,</i>	Felton Building 31.
Bailey, Albert Edward,	<i>No. Scituate,</i>	C. 52.
Bailey, Walter Channing, Jr.	<i>E. Somerville,</i>	72 Mt. Vernon St.,
		E. Somerville.
Baker, William Francis,	<i>Springfield,</i>	94 Prescott St.

Banks, Edgar James,	<i>Greenfield,</i>	13 Sumner St.
Barbey, Henry Gaston,	<i>New York, N. Y.</i>	Hilton Block 11.
Battelle, Harold Munro,	<i>Boston,</i>	G. 26.
Beal, William Fields,	<i>Nahant,</i>	9 Bow St.
Beals, Gardner,	<i>Boston,</i>	H'ke 38.
Beals, Russell Bowditch,	<i>Brookline,</i>	W. 23.
Beckwith, Charles Harris,	<i>Springfield,</i>	C. 15.
Beebe, Arthur Appleton,	<i>Boston,</i>	W. 23.
Bell, James Hudson,	<i>Boston,</i>	Little's Block 22.
Benbow, John Lincoln,	<i>Fort Madison, Ia.</i>	19 Hilliard St.
Bennett, John Hudson,	<i>Wayland,</i>	F. 4.
Bettman, Alfred,	<i>Cincinnati, O.</i>	10 Mellen St.
Bishop, Elias Bullard,	<i>Newton Centre,</i>	Little's Block 3.
Black, David Franklin,	<i>Grove City, Pa.</i>	12 Kirkland Pl.
Blake, Robert Parkman,	<i>Boston,</i>	H'y 2.
Bloss, Edward Buell,	<i>Titusville, Pa.</i>	T. 61.
Bond, Carroll Taney,	<i>Baltimore, Md.</i>	H'ke 13.
Boos, William Frederick,	<i>Jamaica Plain,</i>	W. 12.
Borden, Spencer, Jr.	<i>Fall River,</i>	T. 17.
Bordman, John, Jr.	<i>Concord,</i>	Concord Junction.
Boyden, Albert,	<i>Beverly,</i>	M. 39.
Bradlee, Edward Chamberlin,	<i>Boston,</i>	M. 60.
Brice, Stewart Meily,	<i>New York, N. Y.</i>	Beck Building 36.
Brookfield, Henry Morgan,	<i>New York, N. Y.</i>	20 Holyoke St.
Brooks, Alfred Mansfield,	<i>Gloucester,</i>	H'ke 47.
Buckminster, William Read,	<i>Malden,</i>	G. 10.
Bullock, Chandler,	<i>Worcester,</i>	W. 6.
Cabot, Hugh,	<i>Brookline,</i>	H'ke 12.
Cabot, Philip,	<i>Brookline,</i>	30 Holyoke St.
Cabot, Walter Mason,	<i>Brookline,</i>	H'ke 8.
Cahn, Arthur Leopold,	<i>New York, N. Y.</i>	Hilton Block B.
Calhane, Daniel Francis,	<i>Haverhill,</i>	D. H. 2.
Carr, Joseph William,	<i>Hampstead, N. H.</i>	D. 1.
Carter, Albert Paine,	<i>Newtonville,</i>	T. 33.
Carter, Carroll Martin,	<i>Omaha, Neb.</i>	M. 8.
Cary, William Harris,	<i>Brooklyn, N. Y.</i>	T. 39.
Chaney, George Carter,	<i>Leominster,</i>	T. 42.
Clark, Edward Everett,	<i>Cambridge,</i>	100 River St.
Clarkson, Coker Fifield,	<i>Des Moines, Ia.</i>	W. 15.
Clement, John,	<i>Boston,</i>	H. 27.
Clymer, William Braithwaite,	<i>Cleveland, O.</i>	890 Main St.
Cobb, William Emerson,	<i>Barnstable,</i>	S. 28.
Conger, Arthur Latham, Jr.	<i>Akron, O.</i>	Quincy Building 1.

Cooke, Frank King,	<i>Philadelphia, Pa.</i>	96 Prescott St.
Coolidge, Leander,	<i>Natick,</i>	S. 12.
Coonley, Avery,	<i>Chicago, Ill.</i>	W. H. 57.
Corliss, William Friend,	<i>Gloucester,</i>	S. 29.
Cosby, Arthur Fortunatus,	<i>Washington, D. C.</i>	52 Mt. Auburn St.
Crane, Alexander Mitchell	<i>Scarsdale, N. Y.</i>	M. 41.
Crane, Clinton Hoadley,	<i>New York, N. Y.</i>	739 Cambridge St.
Crosby, John Francis,	<i>Newton,</i>	M. 1.
Crowninshield, Benjamin Will-		
iams, Jr.	<i>Marblehead,</i>	7 Linden St.
Culver, Lucius Ferdinand,	<i>St. Louis, Mo.</i>	W. 45.
Cummings, Arthur Gray,	<i>Andover,</i>	D. 31. [chester.
Currier, Thomas Franklin,	<i>Boston,</i>	14 Sargent St., Dor-
Cushing, George Marston,	<i>Milton,</i>	24 Holyoke St.
Cushing, Thomas Johnson,	<i>Cohasset,</i>	M. 60.
Cutler, Howard Atherton,	<i>Waltham,</i>	404 Harvard St.
Damon, Lindsay Todd,	<i>Boston,</i>	H'y 17.
Dana, Robert Southgate,	<i>Brookline,</i>	404 Harvard St.
Davis, Lincoln,	<i>Boston,</i>	M. 21. [ford.
Dean, Austin Phelps,	<i>Medford,</i>	42 Harvard St., Med-
Dearborn, Samuel Starrett,	<i>Nashua, N. H.</i>	H'ke 31.
Dickinson, Alexander,	<i>Cambridge,</i>	135 Washington St.
Dinsmore, William Brown, Jr.	<i>New York, N. Y.</i>	Beck Building 2.
Dorman, Franklin Abbott,	<i>Upper Montclair, N. J.</i>	8 Appian Way.
Dresser, Frank Farnum,	<i>Southbridge,</i>	W. 41.
Dunn, Morrill,	<i>Washington, D. C.</i>	W. 18.
Dupee, William Arthur,	<i>Chestnut Hill,</i>	Little's Block 10.
Dyer, Henry Chouteau,	<i>St. Louis, Mo.</i>	T. 28.
Earle, Charles Brown,	<i>Worcester,</i>	M. 21.
Eddy, Henry Brevoort,	<i>Mamaroneck, N. Y.</i>	408 Harvard St.
Ellis, David Abram,	<i>Boston,</i>	Felton Building 35.
Emerson, Robert Leonard,	<i>Cambridge,</i>	395 Broadway.
Endicott, Arthur Lovett,	<i>Beverly,</i>	M. 23.
Eustis, Edward Lyman,	<i>Portland, Me.</i>	T. 56.
Eustis, James Biddle, Jr.	<i>Washington, D. C.</i>	20 Prescott St.
Fairbanks, Henry Parker,	<i>Boston,</i>	18 Plympton St.
Farquhar, Robert David,	<i>Newton,</i>	H'y 12.
Farquharson, David Farquhar,	<i>San Francisco, Cal.</i>	T. 10.
Farrington, Frederic Ernest,	<i>Waltham,</i>	G. 43.
Fay, Allan Bradshaw,	<i>Washington, D. C.</i>	H. 5.
Fisher, Horace Cecil,	<i>Charlestown,</i>	M. 25.
Fiske, George Converse,	<i>Dorchester,</i>	27 Everett St.
Ford, Joseph Sherman,	<i>Waltham,</i>	54 Garden St.

Forsythe, Robert Jay,	<i>Braintree,</i>	48 North Ave.
Fox, Hugh Corby,	<i>St. Louis, Mo.</i>	5 Linden St.
Fox, John Pierce,	<i>Dorchester,</i>	C. 59.
Fraser, Henry McPherson,	<i>Boston,</i>	38 North Ave.
Freiberg, Alfred Julius,	<i>Cincinnati, O.</i>	10 Mellen St.
French, Robert Tillinghast,	<i>Davenport, Ia.</i>	H'y 5.
Friedman, Lester,	<i>Roxbury,</i>	M. 4.
Frothingham, Francis Edward,	<i>Brooklyn, N. Y.</i>	T. 39.
Frothingham, Henry Adams,	<i>Charlestown,</i>	H'ke 18.
Frothingham, William Isaac,	<i>Brooklyn, N. Y.</i>	W. 37.
Furman, Reginald,	<i>New York, N. Y.</i>	20 Prescott St.
Gage, Walter Boutwell,	<i>Nashua, N. H.</i>	H'ke 43.
Gale, Lyman Whitman,	<i>Weston,</i>	W. 52.
Gardner, Philip,	<i>Brookline,</i>	896 Main St.
Garland, William Howard,	<i>Concord,</i>	M. 30.
Garrison, Frank Wright,	<i>Brookline,</i>	M. 47.
Gibbons, Sherwin,	<i>Jamaica Plain,</i>	G. 49.
Gifford, Albert Wilson,	<i>Springfield,</i>	H. 3.
Gilman, John Edward, Jr.	<i>Allston,</i>	45 Saunders St.,
Gleason, Charles Bemis,	<i>W. Medford,</i>	M. 46. [Allston.
Glessner, John George Macbeth,	<i>Chicago, Ill.</i>	W. H. 8.
Goddard, Warren Benjamin,	<i>Somerville,</i>	46 Newbury St.,
		W. Somerville.
Goodrich, Charles Cross,	<i>Cambridge,</i>	1 Hubbard Pk.
Gray, George Arthur,	<i>Fall River,</i>	S. 24.
Green, Arthur Eugene,	<i>Cambridge,</i>	54 Garfield St.
Greene, Henry Upham,	<i>Cambridge,</i>	T. 44.
Greenfield, Arthur Dustan,	<i>Clifton, Staten</i>	
	<i>Island, N. Y.</i>	715 Cambridge St.
Greenman, Lyman Manchester,	<i>Chelsea,</i>	C. 31.
Gregg, Robert Etheridge,	<i>Brooklyn, N. Y.</i>	W. H. 46.
Griswold, Frank Tracy,	<i>Philadelphia, Pa.</i>	7 Linden St.
Grover, Edwin Manton,	<i>Needham,</i>	H'ke 31.
Hall, John Hudson,	<i>New York, N. Y.</i>	M. 41.
Hall, Louis Maclay,	<i>St. Louis, Mo.</i>	W. H. 27.
Hammond, George Daniel,	<i>Syracuse, N. Y.</i>	53 Mt. Auburn St.
Hapgood, William Powers,	<i>Alton, Ill.</i>	T. 14.
Harding, Adalbert,	<i>Cambridge,</i>	18 Wendell St.
Harrison, William Ogden,	<i>New Rochelle, N. Y.</i>	7 Sumner St.
Heckscher, Ledyard,	<i>Philadelphia, Pa.</i>	5 Linden St.
Henderson, Frederic Grantham,	<i>Brookline,</i>	Chestnut Hill Ave.,
Henning, George Neely,	<i>Washington, D. C.</i>	D. 8. [Brookline.
Hervey, Everett Pray,	<i>Boston,</i>	W. 8.

Hill, Edward Burlingame,	<i>Cambridge,</i>	17 Hammond St.
Hill, Ernest Frederick,	<i>Wakefield,</i>	Gray St.
Hill, Lewis Dana,	<i>Cambridge,</i>	366 Harvard St.
Hoag, William,	<i>Roxbury,</i>	T. 52.
Hockley, William Stevenson,	<i>Philadelphia, Pa.</i>	5 Linden St.
Hoffecker, Ralph Culbreth,	<i>Smyrna, Del.</i>	M. 37.
Holmes, Clarence Hoyt,	<i>Newton Centre,</i>	50 Winthrop St.
Holt, Warren Dustin,	<i>Somerville,</i>	8 Putnam St., Somerville.
Homans, Robert,	<i>Boston,</i>	Little's Block 22.
Hood, Richard Percival,	<i>Boston,</i>	44 Brattle St.
Horan, John Gregory,	<i>Boston,</i>	539 Dorchester Ave.,
Horne, Harold Wellington,	<i>Belmont,</i>	F. 1. [Boston.
Horton, Arthur Babson,	<i>Cambridge,</i>	304 Harvard St.
Howard, John Corse,	<i>Chicago, Ill.</i>	65 Mt. Auburn St.
Howard, Philip Barthold,	<i>Brookline,</i>	25 Holyoke St.
Howes, Edwin Aliston,	<i>So. Boston,</i>	C. 25.
Hubbell, John Dana,	<i>Boston,</i>	9 Linden St.
Hughes, Hector James,	<i>Williamsport, Pa.</i>	M. 55.
Hutchins, Alexander,	<i>Brooklyn, N. Y.</i>	T. 24.
Hutchinson, Isaac Eberly,	<i>Columbus, O.</i>	55 Trowbridge St.
Jackson, Carl DeWitt,	<i>Oshkosh, Wis.</i>	
Johnson, Henry Gordon,	<i>Cambridge,</i>	48 Concord Ave.
Johnson, Walter Sydney,	<i>Minneapolis, Minn.</i>	H'ke 15.
Jutten, Benjamin Chauncey,	<i>So. Boston,</i>	C. 53.
Kagan, Josiah Moses,	<i>Cambridge,</i>	10 Church St.
Keeler, Aaron Benedict,	<i>Ridgefield, Conn.</i>	D. H. 4.
Keene, William Gerry,	<i>Lynn,</i>	W. H. 20.
Keller, Carl Tilden,	<i>Newton,</i>	H'ke 27. [Boston.
Kemble, Parker Henry,	<i>Boston,</i>	293 Marlboro' St.,
Kendricken, John Martin,	<i>Roxbury,</i>	410 Harvard St.
Kennedy, Harris,	<i>Roxbury,</i>	M. 49.
Kent, Frederic Houston,	<i>Wollaston,</i>	54 Mt. Auburn St.
Kilbreth, James Truesdell, Jr.	<i>New York, N. Y.</i>	M. 53.
Kimball, Hannibal Ingalls, Jr.	<i>Atlanta, Ga.</i>	44 Brattle St.
King, Rupert Cochrane,	<i>New York, N. Y.</i>	H'ke 29.
Kirkpatrick, John Bayard,	<i>Newark, N. J.</i>	68 Mt. Auburn St.
Kirwen, Joseph,	<i>Warren, R. I.</i>	W. 24.
Kittredge, Edmund Yates,	<i>Cincinnati, O.</i>	W. 9.
Knapp, Rolla Sherwin,	<i>Menomonic, Wis.</i>	M. 15.
Knudsen, Eric Alfred,	<i>Kauai, Hawaiian</i>	
	<i>Islands,</i>	48 Buckingham St.
Ladd, Maynard,	<i>New York, N. Y.</i>	H'ke 34.

Lakin, Herbert Conrad,	Worcester,	37 Trowbridge St.
Lane, Daniel Winn,	Boston,	M. 13.
Laurence, Charles Lewis,	Cambridgeport,	6 Maple Ave., Cam-
Lawrence, Robert Townsend,	Flushing, Long Island, N. Y.	[bridgeport. 894 Main St.
Lee, George Cabot, Jr.	Chestnut Hill,	Little's Block 10.
Lee, William Frazar,	Rochester, N. Y.	H. 29.
Lehman, Arthur,	New York, N. Y.	W. H. 19.
Leslie, Alexander von Wolfersdorff,	Newport, R. I.	8 Appian Way.
Lewis, H. Hamilton,	Louisville, Ky.	Little's Block 28.
Lindh, Eric Isidore,	Cambridge,	27 Orchard St.
Linfield, Bertram French,	Somerville,	22 Laurel St., Som-
Long, Eli, Jr.	Plainfield, N. J.	M. 30. [erville.
Lowell, Freeman Lamprey,	Somerville,	37 Everett Ave., Somerville.
Lowell, James Burnett,	Southborough,	894 Main St.
Macallister, Richard,	Brookline,	T. 28.
McDaniel, Ralph Boyer,	Cambridge,	69 Dana St.
McDonald, James Athanasius,	Boston,	C. 24.
McDonald, Will,	Kansas City, Mo.	16 Oxford St.
McElroy, George Leary,	White Plains, N. Y.	Little's Block 5.
Mack, Milton Solomon,	New York, N. Y.	16 Story St.
Magoun, George Butler,	New York, N. Y.	Hilton Block 40.
Magrath, George Burgess,	Milton,	Wadsworth House 9.
Malley, Charles Francis Maurice,	Mattapan,	C. 47.
Marsters, Arthur Allen,	Beverly,	M. 46.
May, William Ropes,	Philadelphia, Pa.	Shepherd Block 15.
Meehan, William Patrick,	Jamaica Plain,	414A Harvard St.
Merrick, Charles Irving,	Holyoke,	T. 43.
Merrill, Sherburn Moses,	Roslindale,	T. 50.
Metcalf, Guy,	Providence, R. I.	13 Bow St.
Metcalf, Harry Clayton,	Normal, Ill.	G. 37.
Miller, Gerrit Smith, Jr.	Peterboro, N. Y.	6 Bond St.
Minton, John Michael,	Cambridge,	890 Main St.
Moore, Walter Jefferson,	Plainfield, N. J.	G. 20.
Morgan, Clarence,	Aurora, N. Y.	Little's Block 3.
Morgan, James Hewitt,	Clayton, N. Y.	Beck Building 22.
Morse, William Horace, Jr.	Worcester,	W. H. 34.
Mulqueeney, Daniel Joseph,	Arlington,	21 Henderson St., Arlington.
Musgrave, Percy,	New York, N. Y.	44 Brattle St.
Nash, Arthur Cleveland,	Geneva, N. Y.	739 Cambridge St.
Newell, Marshall,	Great Barrington,	H'ke 43.

Nichols, Clifford,	<i>Boston,</i>	W. H. 51.
Nichols, John Randall,	<i>Holliston,</i>	D. 29.
Nickerson, Alfred Eugene,	<i>Swanville, Me.</i>	C. 65.
Niles, George Caspar,	<i>Boston,</i>	48 Brattle St.
Noyes, George Rapall,	<i>No. Andover,</i>	D. 1.
Oenslager, George,	<i>Harrisburg, Pa.</i>	T. 24.
Oliver, John Rathbone,	<i>Albany, N. Y.</i>	Read's Block 12.
Olmsted, Frederick Law, Jr.	<i>Brookline,</i>	Wadsworth House 13.
Ordway, Gilbert Francis,	<i>Dorchester,</i>	766 Dudley St., Dorchester.
Ostheimer, Maurice,	<i>Wyncote, Pa.</i>	20 Prescott St.
Page, Harold Wordsworth,	<i>Boston,</i>	78 Mt. Auburn St.
Paine, René Evans,	<i>Boston,</i>	H'y 17.
Pelo, William Joseph,	<i>Bellerive, N. Y.</i>	45 Mt. Auburn St.
Perkins, Edward Augustus,	<i>Boston,</i>	G. 23.
Pew, John Aubrey,	<i>Gloucester,</i>	H'ke 47.
Philbrook, George Robinson,	<i>Sanbornton, N. H.</i>	G. 36.
Phillips, Roland Edward,	<i>Cleveland, O.</i>	12 Oxford St.
Plummer, Arthur James,	<i>Somerville,</i>	176 Walnut St.,
Pratt, Frederick Sanford,	<i>W. Newton,</i>	T. 33. [Somerville.
Prescott, Fred Clark,	<i>Salina, Kans.</i>	G. 38.
Prescott, Henry Lee,	<i>Salina, Kans.</i>	G. 38.
Prouty, Lewis Isaac,	<i>Spencer,</i>	H'ke 34.
Quigley, William Alfred,	<i>Cambridge,</i>	34 Mellen St.
Quinby, Harry Cole,	<i>Lake Village, N. H.</i>	408 Harvard St.
Rand, Edward Kennard,	<i>Watertown,</i>	M. 28.
Reade, Charles Milton,	<i>Pawtucket, R. I.</i>	C. 29.
Reardon, Edward Everett,	<i>So. Framingham,</i>	C. 37.
Richards, Ansel Sylvester,	<i>Marlboro',</i>	18 Trowbridge Pl.
Richards, Francis Henry,	<i>Boston,</i>	T. 12.
Richardson, Spencer Cumston,	<i>Boston,</i>	M. 49.
Robb, Nathaniel Thayer,	<i>New York, N. Y.</i>	Beck Building 21.
Roché, Everett Clifton,	<i>Boston,</i>	C. 27.
Rochemont, Louis Leonard Guertis de,	<i>Portsmouth, N. H.</i>	11 Mellen St.
Rosen, Walter Tower	<i>New York, N. Y.</i>	354 Harvard St.
Rouillard, George Fred,	<i>Cambridge,</i>	423 Broadway.
Rugg, George Bigelow Cheever,	<i>Arlington,</i>	Arlington.
Russell, Morton Frank,	<i>Weston,</i>	W. 52.
Sakonstall, Endicott Peabody,	<i>Chestnut Hill,</i>	9 Linden St.
Sand, Max Low,	<i>Brooklyn, N. Y.</i>	W. 37.
Schoff, Wilfred Harvey,	<i>Philadelphia, Pa.</i>	13 Remington St.
Schwab, Sidney Isaac,	<i>St. Louis, Mo.</i>	61 Oxford St.
Scott, Edgar,	<i>Philadelphia, Pa.</i>	60 Brattle St.

Seasongood, Clifford,	<i>Cincinnati, O.</i>	M. 17.
Sedgwick, Ellery,	<i>Stockbridge,</i>	H'y 22.
Shackford, Samuel Burnham,	<i>Dover, N. H.</i>	C. 42.
Sharp, James Clement,	<i>Watertown,</i>	G. 25.
Shaw, Robert Kendall,	<i>Worcester,</i>	37 Trowbridge St.
Shea, Daniel Wallace,	<i>Boston,</i>	W. 30.
Sheppard, James Joseph,	<i>Panola, Ill.</i>	G. 34.
Sherwin, Thomas Edwards,	<i>Jamaica Plain,</i>	W. 11.
Shope, Charles Warner,	<i>New York, N. Y.</i>	T. 32.
Short, William Ambrose Dudley,	<i>Cincinnati, O.</i>	Read's Block 28.
Skinner, Macy Millmore,	<i>Boston,</i>	2849 Washington
Slater, John Rothwell,	<i>Washington, D. C.</i>	C. 6. [St., Boston.
Small, Richard Dresser,	<i>Portland, Me.</i>	T. 37.
Smith, James Walter,	<i>E. Boston,</i>	W. 12.
Smith, Kinney,	<i>Chicago, Ill.</i>	1750 Cambridge St.
Snattinger, Benjamin,	<i>Topeka, Kans.</i>	D. 25.
Soch, Charles August,	<i>Smiths' Mills, N. Y.</i>	126 Mt. Auburn St.
Soutter, Robert,	<i>Wellesley,</i>	W. H. 17.
Spooner, Henry Garrettson,	<i>Boston,</i>	Hilton Block 38.
Sprague, Oliver Mitchell Wentworth,	<i>St. Johnsbury, Vt.</i>	365 Harvard St.
Sprague, William Dudley,	<i>Cambridge,</i>	146 Austin St.
Stern, Leopold,	<i>Cincinnati, O.</i>	20 Prescott St.
Stetson, Caleb Rochford,	<i>Washington, D. C.</i>	T. 12.
Stetson, Cushing,	<i>Dorchester,</i>	18 Sumner St.
Stetson, Frederick Winslow,	<i>Duxbury,</i>	G. 10.
Stevens, Oscar Lundgren,	<i>Chelsea,</i>	C. 44.
Stix, Albert Iglauer,	<i>Cincinnati, O.</i>	M. 17.
Stone, Herbert Stuart,	<i>Glencoe, Ill.</i>	W. H. 23.
Stone, Walter Coolidge,	<i>Mt. Auburn,</i>	Mt. Auburn.
Sullivan, James, Jr.	<i>St. Paul, Minn.</i>	C. 69.
Swift, Henry Marshall,	<i>Marlboro',</i>	96 Prescott St.
Tanzer, Laurence Arnold,	<i>New York, N. Y.</i>	D. 4.
Taylor, Alfred Samuel Guido,	<i>New York, N. Y.</i>	M. 53.
Taylor, Herbert Floyd,	<i>Haverhill,</i>	W. H. 50. [Boston.
Thaxter, Gerald Nash,	<i>Jamaica Plain,</i>	310 Marlboro' St.,
Thompson, James Madison,	<i>Springfield,</i>	Beck Building 25.
Thwaits, Frederick Charles,	<i>Milwaukee, Wis.</i>	715 Cambridge St.
Tinkham, George Holden,	<i>Boston,</i>	20 Prescott St.
Tower, George Warren, Jr.	<i>So. Boston,</i>	C. 58.
Travis, Alonzo Ferdinand,	<i>Natick,</i>	H. 26.
Tryon, James Libby,	<i>Cambridge,</i>	467 Broadway.
Tuckerman, Eliot,	<i>New York, N. Y.</i>	W. 34.
Turnure, Percy Rivington,	<i>New York, N. Y.</i>	Beck Building 3.

Twombly, John Fogg,	<i>New York, N. Y.</i>	H'ke 42.
Underhill, James,	<i>Boston,</i>	M. 25.
Varney, Charles Dean,	<i>So. Berwick, Me.</i>	T. 49.
Vose, Edward Neville,	<i>Ashburnham,</i>	15½ Shepard St.
Walker, George Albert, Jr.	<i>W. Roxbury,</i>	19 Hilliard St.
Wallerstein, Alfred,	<i>Troy, N. Y.</i>	Felton Building 21.
Washburn, Reginald,	<i>Worcester,</i>	H'y 22.
Weed, Henry Davis,	<i>Savannah, Ga.</i>	T. 62. [ton.
Wellington, Arthur Jefferson,	<i>Arlington,</i>	8 Maple St., Arling-
Wellman, Hiller Crowell,	<i>Newtonville,</i>	H. 29.
Wells, Bulkeley,	<i>Roxbury,</i>	W. 1.
Wells, George Doane,	<i>Brookline,</i>	Shepherd Block 9.
Wentworth, Jere Newton,	<i>Dedham,</i>	C. 32.
Wentworth, Marshall,	<i>Dedham,</i>	C. 32.
Wetmore, Albert Lenning,	<i>Warren, Pa.</i>	Beck Building 24.
Wheelwright, Henry May,	<i>Jamaica Plain,</i>	W. 11.
White, Francis Beach,	<i>Cambridge,</i>	6 Phillips Pl.
Whitney, William Bradley,	<i>E. Boston,</i>	T. 22.
Whitney, William Joseph,	<i>Findley's Lake, N. Y.</i>	C. 1.
Whittier, Albert Rufus, Jr.	<i>Boston,</i>	T. 53.
Williams, Lewis Barker,	<i>Newport, Me.</i>	42 Bigelow St.
Williams, Sydney Messer,	<i>Boston,</i>	M. 58.
Williams, William Frederic,	<i>Auburndale,</i>	M. 55.
Wilson, George Bennett,	<i>Medfield,</i>	H'ke 19.
Wolfson, Arthur Mayer,	<i>Kansas City, Mo.</i>	23 Trowbridge St.
Woodworth, Ralph,	<i>Tomales, Cal.</i>	S. 4.
Wrenn, Philip Wycoff,	<i>Chicago, Ill.</i>	18 Story St.

Freshman Class.

Abbé, Truman,	<i>Washington, D. C.</i>	D. H. 3.
Adams, Edward Livingston, Jr.	<i>Boston,</i>	68 Mt. Auburn St.
Adams, Ivers Shepard,	<i>Dorchester,</i>	20 Holyoke St.
Allen, Henry Van Dyke,	<i>Cambridge,</i>	2 Phillips Pl.
Allen, Timothy Field, Jr.	<i>New York, N. Y.</i>	1734 Cambridge St.
Allis, Gilbert,	<i>Milwaukee, Wis.</i>	38 North Ave.
Ames, Winthrop,	<i>No. Easton,</i>	Manter Block 8.
Arnold, Edmund Kent,	<i>Cambridge,</i>	10 Frisbie Pl.
Bach, Edwin Stanton,	<i>New York, N. Y.</i>	44 Brattle St.
Bacon, Carl Edward,	<i>W. Medford,</i>	58 Woburn St., W. [Medford.
Bacon, Newton Samuel,	<i>No. Cambridge,</i>	27 Harris St.

Baker, Charles Hamilton,	Newport, R. I.	Warland Building 15.
Barker, Newell Alvin,	Cambridge,	48 Linnaean St.
Barnum, Samuel,	Topeka, Kans.	D. 25.
Bartlett, Frederic Huntington,	Fayetteville, N. Y.	9 Story St.
Bartlett, George Griffiths,	Philadelphia, Pa.	M. 27.
Bathrick, Harry Albert,	Chelsea,	C. 68.
Battelle, Seavey,	Boston,	30 Holyoke St.
Beard, Ithamar Mansur,	Dover, N. H.	D. 39.
Bechhold, Marx,	Gouverneur, N. Y.	96 Ellery St.
Benedict, Emanuel,	Milwaukee, Wis.	T. 5.
Benshimol, Max,	Cambridge,	510 Cambridge St.
Bent, Newell,	Cambridge,	52 Concord Ave.
Bigelow, Leslie Melville,	Cambridge,	63 Sparks St.
Billings, Asa White Kenney,	Omaha, Neb.	2 Clinton St.
Binder, Michael,	Hetzeldorf, Hungary,	44 Mt. Auburn St.
Bingham, Norman Williams, Jr.	Somerville,	M. 56.
Bishop, Francis Cunningham,	New York, N. Y.	894 Main St.
Blodgett, Kinsley,	Pawtucket, R. I.	7 Bow St.
Bosler, Frank C,	Carlisle, Pa.	Quincy Building 11.
Bowser, Charles Bertrand,	Wakefield,	Walker Ct, Wake-
Boyden, Augustus Joseph,	Beverly,	M. 39. [field.
Brennan, John Woods,	St. Albans, Vt.	15½ Shepard St.
Brewster, John Alfred,	Gaucha Lake, O.	S. 23.
Brice, Walter Kirkpatrick,	Lima, O.	Beck Building 36.
Briggs, Walter Motherwell,	St. Louis, Mo.	W. H. 3.
Brookings, Walter DuBois,	Grand Rapids, Mich.	Warland Building 14.
Brousseau, William Gilbert,	Boston,	184 Friend St., Bos-
Brown, Earle,	Worcester,	W. 47. [ton.
Brown, Henry Tucker,	W. Medford,	D. 17.
Brown, Howard Wicks,	Brookline,	H. 31.
Bryant, Eugene Lincoln,	Hingham,	H. 81.
Buck, Seaver Burton,	E. Milton,	C. 57.
Bull, Henry Adsit,	Buffalo, N. Y.	Felton Building 36.
Bullard, Albert William,	Boston,	97 Pembroke St., Boston.
Burden, James Abercrombie, Jr.	Troy, N. Y.	9 Bow St. [Boston.
Burgess, Frederick,	Boston,	1 Hotel Worcester,
Burke, Walter Edward,	Quincy,	H. 16. [Dorchester,
Butler, William Albert,	Milford, N. H.	199 Washington St.,
Cameron, Winfield Henry,	Jamestown, N. Y.	M. 54.
Capen, Randall Thomas,	Watertown,	G. 27.
Carman, Albert Benton,	E. Richland, O.	56 Mt. Auburn St.
Carr, Lewis Eleazer, Jr.	Port Jervis, N. Y.	40 Kirkland St.

Cassatt, Robert Kelso,	<i>Philadelphia, Pa.</i>	68 Mt. Auburn St.
Caswell, John,	<i>New York, N. Y.</i>	Hilton Block 30.
Caswell, William Watson,	<i>New York, N. Y.</i>	Read's Block 16.
Cate, William Ervin,	<i>Wolfboro', N. H.</i>	423 Broadway.
Chamberlain, Albert Henry,	<i>Cambridge,</i>	167 Brookline St.
Chamberlin, Henry Harmon, Jr.	<i>Worcester,</i>	Hilton Block 5.
Chase, John Henry,	<i>Exeter, N. H.</i>	C. 34.
Christian, George Chase,	<i>Minneapolis, Minn.</i>	Quincy Building 12.
Church, Elliott Bradford,	<i>Taunton,</i>	10 Oxford St.
Clapp, Frank Nathaniel,	<i>Framingham,</i>	473 Broadway.
Clapp, George Irving,	<i>Holliston,</i>	H. 15.
Cockrell, Ewing,	<i>Warrensburg, Mo.</i>	10 Appian Way.
Coffin, Fletcher Barker,	<i>Newton,</i>	26 Garden St.
Coffin, Harry Richards,	<i>Auburndale,</i>	M. 31. [Melrose.
Collins, William Dennis,	<i>Melrose,</i>	211 Upham St.,
Conant, Ernest Bancroft,	<i>Boston,</i>	T. 40.
Connelly, John Edward,	<i>Ashland,</i>	C. 58.
Cook, Robert Boyd,	<i>Cambridge,</i>	71 Appleton St.
Cooley, Alford Warriner,	<i>Westchester, N. Y.</i>	Manter Block 7.
Coolidge, Julian Lowell,	<i>Chestnut Hill,</i>	739 Cambridge St.
Coonley, John Stuart,	<i>Chicago, Ill.</i>	W. H. 57.
Corbett, John,	<i>Cambridge,</i>	13 Kirkland Pl.
Cornish, Abraham Harrison,	<i>Gillette, N. J.</i>	9 Dana St.
Corson, Henry Carter,	<i>Haverhill,</i>	247 Pearl St.
Coues, Robert Wheaton,	<i>Cambridge,</i>	14 Ash St.
Crandon, LeRoy Goddard,	<i>Chelsea,</i>	C. 49.
Crane, Edwin Rogers,	<i>Newton Highlands,</i>	52 Brattle St.
Cressey, Pemberton Hale,	<i>Salem,</i>	Felton Building 30.
Crompton, George,	<i>Worcester,</i>	Little's Block 8.
Cross, Arthur Lyons,	<i>Revere,</i>	C. 68.
Cummings, Francis Hathaway,	<i>Boston,</i>	T. 60.
Curtis, Philip,	<i>Boston,</i>	Hilton Block 2.
Cutler, William Washburn,	<i>St. Paul, Minn.</i>	Warland Building 11.
Dodge, Edwin Sherrill,	<i>Newburyport,</i>	W. H. 47.
Dodge, Nathan Phillips, Jr.	<i>Council Bluffs, Ia.</i>	M. 28.
Dreyfus, Carl,	<i>Boston,</i>	Felton Building 35.
Driver, William Raymond, Jr.	<i>Beverly,</i>	890 Main St.
Dudley, Howland,	<i>No. Cambridge,</i>	24 Avon Hill St.
Dunton, Lewis Warren,	<i>Spencer,</i>	M. 19. [Somerville.
Earle, Samuel Chandler,	<i>Somerville,</i>	8 Franklin St.,
Eddy, Frank Stetson,	<i>W. Newton,</i>	H'ke 37.
Eddy, Spencer Fayette,	<i>Chicago, Ill.</i>	Hilton Block 22.
Edes, Archibald Wilkinson,	<i>Whitman,</i>	11 Mellen St.

Edgett, Edwin Francis,	<i>Somerville,</i>	39 Day St., Somer-
Edmunds, Goldmann,	<i>Wellesley Hills,</i>	880 Main St. [ville.
Elliot, Frederic Sherwood,	<i>Cambridge,</i>	59 Brattle St.
Ellsworth, Samuel Aldrich,	<i>Worcester,</i>	32 Wendell St.
Emerson, William,	<i>New York, N. Y.</i>	96 Prescott St.
Emmons, Robert Wales, 2d,	<i>Boston,</i>	H'ke 10.
Emory, Percy Franklin,	<i>Syracuse, N. Y.</i>	68 Mt. Auburn St.
Emott, James Tuckerman,	<i>New York, N. Y.</i>	1686 Cambridge St.
Everett, Edward,	<i>Council Bluffs, Ia.</i>	Little's Block 2.
Fairbank, Wallace,	<i>Chicago, Ill.</i>	Hilton Block 28.
Fairlie, John Archibald,	<i>Jacksonville, Fla.</i>	C. 35.
Fallon, Frederick Arthur,	<i>Redwood City, Cal.</i>	Felton Building 9.
Fechheimer, Samuel Martin,	<i>New York, N. Y.</i>	W. H. 36.
Fenollosa, Sydney Kinsman,	<i>Salem,</i>	D. 19.
Fenton, David Wakeman,	<i>Buffalo, N. Y.</i>	Felton Building 24.
Fiske, John Landon,	<i>No. Cambridge,</i>	T. 46.
Flandrau, Charles Macomb,	<i>St. Paul, Minn.</i>	60 Brattle St.
Floyd, Rolfe,	<i>Mastic, L. I., N. Y.</i>	25 Holyoke St.
Forbes, Edward Waldo,	<i>Milton,</i>	T. 34. [Somerville.
Forsyth, Alexander,	<i>W. Somerville,</i>	54 Meacham St., W.
Foss, Leon Frederic,	<i>Malden,</i>	W. 39.
Frazier, Herbert,	<i>So. Bethlehem, Pa.</i>	4 Arrow St.
French, Charles Stratton,	<i>Boston,</i>	W. H. 3.
Frisbee, Frank Senter,	<i>Boston,</i>	90 Waltham St.,
Gardner, Roy Richardson,	<i>Watertown,</i>	F. 1. [Boston.
Gehring, Henry Albert,	<i>Cleveland, O.</i>	12 Kirkland Pl.
Gillmore, Frederick,	<i>Charlestown,</i>	36 Green St., Charles-
Gilman, Francis Lyman,	<i>New Bedford,</i>	T. 20. [town.
Gilman, Roger,	<i>Cambridge,</i>	32 Hawthorn St.
Gilman, William Lynch Francis,	<i>Allston,</i>	45 Saunders St.,
		Allston.
Gilsey, Henry, Jr.	<i>New York, N. Y.</i>	Quincy Building 8.
Glidden, Joseph Warren,	<i>Newcastle, Me.</i>	894 Main St.
Goodwin, Elliot Hersey,	<i>Cambridge,</i>	G. 39.
Goodwin, Joseph William, Jr.	<i>Wolboro', N. H.</i>	423 Broadway.
Gould, Clifford Allen,	<i>So. Orange, N. J.</i>	Manter Block 4.
Grant, Venzo,	<i>Navarre, O.</i>	D. 16.
Gray, Roland,	<i>Boston,</i>	Manter Block 6.
Green, Edmund Howard,	<i>Cambridge,</i>	54 Garfield St.
Green, John, Jr.	<i>St. Louis, Mo.</i>	W. 17.
Greenberg, Morris Edward,	<i>Buffalo, N. Y.</i>	Felton Building 4.
Greene, Daniel Crosby, Jr.	<i>Auburndale,</i>	11 Appian Way.
Greenough, William Edward,	<i>Taunton,</i>	51 Ellery St.

Grew, Randolph Clark,	<i>Boston,</i>	Beck Building 31.
Grinnell, Frank Washburn,	<i>Boston,</i>	H'ke 30.
Hamilton, George Livingstone,	<i>Boston,</i>	Felton Building 26.
Hancock, John Clifford,	<i>Dubuque, Ia.</i>	H'ke 21.
Hanson, James Chester,	<i>Woburn,</i>	H. 2.
Harrison, Robert Waite,	<i>San Francisco, Cal.</i>	25 Holyoke St.
Hartwell, Harry Fairbanks,	<i>Boston,</i>	H'ke 36.
Harvey, LeRoy,	<i>Wilmington, Del.</i>	9 Francis Ave.
Hayward, Nathan,	<i>Cambridge,</i>	H'ke 10.
Heard, John Leeds,	<i>Ipswich,</i>	26 Holyoke St.
Henry, Hugh Hastings,	<i>New York, N. Y.</i>	410 Harvard St.
Hicks, Ralph Burnell Calhoun,	<i>Cambridge,</i>	50 Winthrop St.
Highlands, Andrew Albert,	<i>Fall River,</i>	40 Kirkland St.
Hill, Frederick Brackett,	<i>Cambridge,</i>	366 Harvard St.
Hisa, Michitaro,	<i>Iwakinokuni, Japan,</i>	13 Trowbridge Pl.
Hitch, Joseph Clement Delano,	<i>So. Orange, N. J.</i>	F. 5.
Hobson, Arthur L,	<i>Haverhill,</i>	W. H. 50.
Hogg, George,	<i>Worcester,</i>	M. 36.
Hogg, William Frederic,	<i>Worcester,</i>	M. 36.
Holbrook, Bradbury,	<i>Danversport,</i>	C. 39.
Holmes, Edward Jackson,	<i>Boston,</i>	Hilton Block 35.
Hooper, Sumner Ricker,	<i>Springvale, Me.</i>	H. 15.
How, Louis,	<i>St. Louis, Mo.</i>	1750 Cambridge St.
Howard, Charles Tilden,	<i>Hingham Centre,</i>	C. 18. [Brighton.
Hughes, Thomas Bernard,	<i>Brighton,</i>	1 Parkman St.,
Huntington, Edward Vermilye,	<i>Flushing, L. I., N. Y.</i>	15½ Shepard St.
Hyman, Maurice Samuel,	<i>New York, N. Y.</i>	Felton Building 23.
Ikeda, Seihin,	<i>Yamagata, Ken, Japan,</i>	37 Trowbridge St.
Irving, Alexander Duer, Jr.	<i>Grymes Hill, Staten</i>	
	<i>Island, N. Y.</i>	Felton Building 14.
Jackson, Arthur Loring,	<i>Cambridge,</i>	17 Follen St.
James, Ellerton,	<i>Nahant,</i>	Beck Building 23.
James, Edward Holton,	<i>Concord,</i>	96 Prescott St.
Jameson, Herbert Wendell,	<i>Jamaica Plain,</i>	F. 2.
Johnson, Arthur Charles,	<i>Salem,</i>	Felton Building 30.
Johnson, Franklin, Jr.	<i>Ottawa, Kans.</i>	378 Harvard St.
Johnson, Reginald Hathaway,	<i>Braintree,</i>	10 Oxford St.
Jones, Frederick Charles,	<i>So. Boston,</i>	80 Dorchester St.,
Kaufman, John Glass,	<i>Kutztown, Pa.</i>	C. 70. [So. Boston.
Kaven, Gustavus Adolphus,	<i>Unionville, Mich.</i>	409 Broadway.
Kellogg, George Casper,	<i>Plattsburgh, N. Y.</i>	H'y 2.
Kimball, Thatcher Raymond,	<i>Jamaica Plain,</i>	7 Linden St.
King, Delcevere,	<i>Quincy,</i>	362 Harvard St.

Kingsley, Chester Willard,	No. Cambridge,	10 Chester St.
Klein, Edward,	Deerfield,	42 Mt. Auburn St.
Knapp, Eugene Richter, Jr.	Brookline,	40 Kirkland St.
Lackey, William Andrew,	W. Somerville,	31 Irving St., W.
Lambert, Edward Bartlet,	Cambridge,	H'ke26.[Somerville
Laughton, Norris Hastings,	So. Boston,	126 K St., So. Bos-
Lawton, Sydney Allen,	Lancaster,	G. 7. [ton.
Learoyd, Arthur Sowdon,	Taunton,	G. 83.
Le Clear, Gifford,	Brookline,	862 Main St.
Leichtentritt, Hugh,	Cambridge,	12 Shepard St.
Lemke, Otto August,	Milwaukee, Wis.	C. 61.
Lillenthal, Albert St. George,	New York, N. Y.	18 Sumner St.
Lincoln, Alexander,	Brookline,	Little's Block 14.
Lincoln, George Luther,	Dorchester,	D. 23.
Linder, Alfred Hosmer,	Boston,	408 Harvard St.
Lindsey, Ernest,	Marblehead,	D. 1.
Line, Arthur Maxwell,	Marion, Ind.	17 Mt. Auburn St.
Livermore, Thomas Leonard, Jr.	Jamaica Plain,	69 Mt. Auburn St.
Livingood, Edwin Stanton,	Reading, Pa.	Little's Block 2.
Lodge, George Cabot,	Nahant,	Quincy Building 10.
Loker, Harold Wesley,	Natick,	C. 8.
Lombard, Percival Hall,	Boston,	Beck Building 31.
Lothrop, Thornton Kirkland, Jr.	Boston,	52 Brattle St.
Lowell, Frederick Eldridge,	Boston,	789 Cambridge St.
Lyman, Willis,	Orange, N. J.	Felton Building 10.
McAdams, Peter Stephen,	Somerville,	13MurraySt.Somer-
		ville. [Chelsea.
McCarthy, Jere Joseph,	Chelsea,	61 Marlboro' St.,
McGirr, Felix Francis,	Somerville,	17 Skehan St.,
		[Somerville.
McGrath, John Francis,	Fitchburg,	12 Mt. Auburn St.
Mackie, William Charles,	Boston,	H. 13.
McNear, Seward Bailey,	Oakland, Cal.	H'y 19.
MacVeagh, Eames,	Chicago, Ill.	9 Linden St.
Maloon, Winthrop Laighton,	Beverly,	Felton Building 3.
Mann, Albert,	Two Rivers, Wis.	T. 5.
Manning, Robert Livermore,	Manchester, N.H.	1716 Cambridge St.
Marsh, Charles Reuben,	Boston,	Quincy Building 4.
Martin, George Adams,	Cambridge,	1750 Cambridge St.
Mason, Daniel Gregory,	Boston,	M. 14.
Mauriac, Percy Howland de,	Flushing, L.I., N. Y.	H'ke 13.
May, Valentine Horton,	Roxbury,	G. 9.
Meader, John Hanson,	Roxbury,	T. 52.

Mellus, Edward,	Worcester,	C. 28.
Merrill, Edwin Godfrey,	Bangor, Me.	W. H. 40.
Merrill, Evan Walter Dunster,	Boston,	1466 Tremont St.,
Miller, Dwight Dana,	New York, N. Y.	W. 10. [Boston.
Mills, Charles Henry,	Brookline,	Little's Block 15.
Molloy, James Edward,	Randolph,	52 Mt. Auburn St.
Morrison, Charles J.,	Calumet, Mich.	862 Main St.
Morse, Arthur Moore,	Worcester,	W. H. 34.
Mott-Smith, Ernest Augustus,	Boston,	Felton Building 26.
Mullins, Thomas Patrick,	E. Cambridge,	21 Third St., E. [Cambridge.
Munroe, Fred Carl,	Salem,	100 Mt. Auburn St.
Murchie, Guy Grimmer,	Calais, Me.	W. H. 40.
Nash, Frederick Hapgood,	W. Acton,	W. Acton.
Nelson, Henry Philip,	Nashville, Tenn.	G. 31.
Newcomb, Warren Smith,	Louisville, Ky.	11 Mason St.
Newell, George Snow Taft, Jr.	Pawtucket, R. I.	D. 14.
Newman, Albert Harding,	Boston,	Little's Block 20.
Nichols, Philip,	Boston,	Felton Building 2.
Ninde, Levi James,	Fort Wayne, Ind.	50A Kirkland St.
Noon, Philo Gates,	Cambridge,	9 Warland St.
Norman, Maxwell,	Newport, R. I.	48 Mt. Auburn St.
Norton, John Leonard, Jr.	Memphis, Tenn.	H'ke 21.
Noyes, Carleton Eldredge,	Cambridge,	7 Ware St.
Odiorne, Walter Burlingame,	Cambridge,	287 Harvard St.
Osborne, Winfred Horton,	Fayetteville, N. Y.	9 Story St.
Ostheimer, Alfred James, Jr.	Wyncote, Pa.	20 Prescott St.
Parker, Chauncey David,	Dorchester,	Hilton Block 9.
Parker, Torrance,	Randolph, N. Y.	H'ke 27.
Patten, William Samuel,	Wellesley,	H'ke 9.
Patterson, Albert Mansfield, Jr.	Geneva, N. Y.	Hilton Block 13.
Peabody, William Rodman,	Cambridge,	H'ke 26. [chester.
Perry, Edward Luther,	Dorchester,	32 Orchard Pl., Dor-
Peters, Andrew James, Jr.	Jamaica Plain,	Hilton Block 17.
Phelan, James Peter,	Lynn,	20 Holyoke St.
Phillips, Stephen Willard,	Salem,	D. 19.
Pier, Arthur Stanwood,	Pittsburgh, Pa.	4 Arrow St.
Pierce, Charles Sumner,	Milton,	12 Oxford St.
Pillsbury, Horace Davis,	San Francisco, Cal.	F. 6. [Boston.
Pinkham, Austin Mackie,	Boston,	465 Columbus Ave.,
Pitts, Ralph Shaw,	Quincy,	C. 18.
Pool, Eugene Hillhouse,	New Brighton, Staten Island, N. Y.	Felton Building 14.

Poole, Franklin Osborne,	<i>Somerville,</i>	46 Mt. Vernon St. [Somerville.
Porter, James Foster,	<i>Chicago, Ill.</i>	10 Remington St.
Potter, Alexander Carleton,	<i>Boston,</i>	T. 30.
Potter, Austin,	<i>New York, N. Y.</i>	Beck Building 43.
Potter, Murray Anthony,	<i>San Francisco, Cal.</i>	782 Main St.
Powers, Walter Webster,	<i>Rochester, N. Y.</i>	894 Main St.
Pray, James Sturgis,	<i>Boston,</i>	13 Hilliard St.
Preston, William Arthur, Jr.	<i>New Ipswich, N. H.</i>	54 Trowbridge St.
Priest, Benjamin Sydney,	<i>Watertown,</i>	Watertown.
Proctor, Thomas Emerson,	<i>Boston,</i>	Little's Block 7.
Purdon, James,	<i>Boston,</i>	H'ke 30.
Quick, Oscar,	<i>Omaha, Neb.</i>	42 Mt. Auburn St.
Quigley, John Gordon,	<i>Goshen, N. Y.</i>	866 Main St.
Raymond, Robert Lovejoy,	<i>Cambridge,</i>	410 Harvard St.
Read, John Bertram,	<i>Cambridge,</i>	55 Appleton St.
Reed, Brooks,	<i>Maynard,</i>	S. 32.
Reed, William Hale,	<i>Taunton,</i>	51 Ellery St.
Rhodes, Daniel Pomeroy,	<i>Cambridge,</i>	Reservoir St.
Richardson, Henry Hyslop,	<i>Brookline,</i>	Little's Block 15.
Richardson, Thomas,	<i>Washington, D. C.</i>	25 Holyoke St.
Ringwalt, Ralph Curtis,	<i>Mt. Vernon, O.</i>	880 Main St.
Rockwell, William Walker,	<i>Pittsfield,</i>	6 Acacia St.
Roess, Louis Jacob,	<i>Oil City, Pa.</i>	7 Bow St. [Boston.
Rogers, William Chandler,	<i>Boston,</i>	21 Linwood St.,
Rose, Pierre la,	<i>Albany, N. Y.</i>	M. 14.
Rowe, John C,	<i>So. Bethlehem, N. Y.</i>	54 Mt. Auburn St.
Russell, Arthur Joseph,	<i>Weston,</i>	Weston.
Ryerson, Edwin Warner,	<i>Chicago, Ill.</i>	1734 Cambridge St.
Sand, Henry Augustus Low,	<i>Brooklyn, N. Y.</i>	H'ke 44.
Sargent, Joseph, Jr.	<i>Boston,</i>	Hilton Block 14.
Schaffner, Artliur Becker,	<i>Chicago, Ill.</i>	F. 7.
Schereschewsky, Joseph Williams,	<i>Cambridge,</i>	69 Brattle St.
Scull, Max Leopold,	<i>Boston,</i>	37 Brattle St.
Severance, Walter Edwin,	<i>Lynn,</i>	24 Johnson St., Lynn.
Sewall, Harold Ingalls,	<i>Boston,</i>	Read's Block 20.
Shackford, Moses Austin Cartland,	<i>Dover, N. H.</i>	C. 42.
Sharples, Philip Price,	<i>Cambridge,</i>	22 Concord Ave.
Shaw, Carleton Anderson,	<i>Lexington,</i>	T. 51.
Sheldon, Wilmon Henry,	<i>Boston,</i>	C. 8.
Shuman, George Henry,	<i>Roxbury,</i>	Little's Block 17.
Simonds, Herbert Roland,	<i>Dayton, O.</i>	Little's Block 9.
Sleeper, Herbert Alwyn,	<i>Boston,</i>	403 Charles St., Boston.

Smith, Charles Edward,	<i>Fall River,</i>	6 Story St.
Smith, Charles Ziba,	<i>Ashfield,</i>	5 Revere St.
Smith, George Lawrence,	<i>Cambridge,</i>	94 Brattle St.
Smith, Harrison Willard,	<i>Dorchester,</i>	40 Mill St., Dor- chester. [ville.
Smith, Ira Andrew,	<i>Somerville,</i>	5 Tower Ct., Somer-
Smith, Jerome Carruth,	<i>Boston,</i>	Little's Block 23.
Snell, Herbert Laird Wingate,	<i>Brookline,</i>	T. 19.
Snow, Frederick Stedman,	<i>Jamaica Plain,</i>	G. 40.
Soutter, Lamar,	<i>Wellesley,</i>	W. H. 17.
Spalding, Thorndike,	<i>Dedham,</i>	T. 45.
Spencer, Henry Benning,	<i>New York, N. Y.</i>	25 Holyoke St.
Stackpole, Joseph Lewis, Jr.	<i>Boston,</i>	Manter Block 6.
Starek, Otto,	<i>Cleveland, O.</i>	54 Mt. Auburn St.
Stark, William Everett,	<i>Cambridge,</i>	38 Linnaean St.
Stevens, Waldo Warland,	<i>Roxbury,</i>	C. 26.
Stevenson, Alexander Francis, Jr.	<i>Chicago, Ill.</i>	1734 Cambridge St.
Stickney, Joseph Trumbull,	<i>New York, N. Y.</i>	12 Oxford St.
Stiger, Edwin Tenney,	<i>Omaha, Neb.</i>	23 Irving St.
Sylvester, John Percival,	<i>Somerville,</i>	M. 56.
Teele, Arthur Page,	<i>Boston,</i>	H'ke 36.
Thomas, Rufus Kemble,	<i>Boston,</i>	50 Brattle St.
Thomas, Victor Sumner,	<i>Wilmington, Del.</i>	9 Francis Ave.
Thompson, Frederick Putnam,	<i>Boston,</i>	H'ke 23.
Thompson, Jay Linton,	<i>New York, N. Y.</i>	6 Story St.
Tiffany, Dexter, Jr.	<i>St. Louis, Mo.</i>	18 Appian Way.
Tileston, Wilder,	<i>Milton,</i>	G. 4.
Tooker, DuBois,	<i>Marlboro', N. Y.</i>	1716 Cambridge St.
Towne, Charles Freeman Chadwick,	<i>Bradford,</i>	Bradford.
Trotter, William Monroe,	<i>Hyde Park,</i>	C. 38.
Tudor, Henry D,	<i>Boston,</i>	Hilton Block 36.
Upham, Alfred Elwyn,	<i>Rutland,</i>	413 Green St.
VanKleeck, Walter Lindsay,	<i>Millis,</i>	H'ke 19.
Walcott, Robert,	<i>Cambridge,</i>	11 Waterhouse St.
Walker, Brooks,	<i>Cambridge,</i>	289 Harvard St.
Walker, Henry Pickering,	<i>Washington, D. C.</i>	W. 48.
Walsh, Townsend,	<i>Albany, N. Y.</i>	14 Oxford St.
Warren, Edward Henry,	<i>Worcester,</i>	M. 19.
Washburn, James Murray,	<i>Chicago, Ill.</i>	1734 Cambridge St.
Washburn, Paul,	<i>Boston,</i>	40 Kirkland St.
Waterman, George Arthur,	<i>Malden,</i>	38 Florence St.,
Waters, Bertram Gordon,	<i>Boston,</i>	M. 13. [Malden.
Waters, Leeds Vaughan,	<i>Brooklyn, N. Y.</i>	61 Oxford St.

Webb, Frederick,	<i>Salem,</i>	G. 46.
Weis, Joseph Deutsch,	<i>New Orleans, La.</i>	1750 Cambridge St.
Wertheimer, Alvin,	<i>New York, N. Y.</i>	Little's Block 17.
Weston, Thomas, Jr.	<i>Newton,</i>	T. 41.
Wheatland, Richard,	<i>Salem,</i>	H'ke 22.
Wheeler, Maxwell Stevenson,	<i>Buffalo, N. Y.</i>	Felton Building 36.
Whicher, John Thomas,	<i>Quincy,</i>	H'y 12.
Whipple, John Reed,	<i>Boston,</i>	Hilton Block 1.
White, Norman Hill,	<i>Cambridge,</i>	G. 12.
White, Samuel Peregrine,	<i>Wakefield,</i>	T. 19.
Whiteside, Alexander, Jr.	<i>Champlain, N. Y.</i>	H'ke 16.
Whitman, Raymond Lee,	<i>Cambridge,</i>	88 Ellery St.
Whitmore, Holmes	<i>Newton,</i>	38 North Ave.
Whitmore, Howard,	<i>Newton,</i>	38 North Ave.
Whitney, Myron William, Jr.	<i>Watertown,</i>	G. 25.
Whittemore, James Kelsey,	<i>Cambridge,</i>	15 Follen St.
Whittemore, Parker Williams,	<i>Roslindale,</i>	T. 50.
Widdemer, William Lloyd,	<i>Albany, N. Y.</i>	45 Trowbridge St.
Wilcomb, Chester James,	<i>Chester, N. H.</i>	D. H. 1.
Wilder, David Parsons,	<i>Medway,</i>	W. 28.
Wildes, Frederick,	<i>Boston,</i>	M. 31.
Williams, Alfred Samuel,	<i>Brookline,</i>	Little's Block 23.
Williams, Hugh,	<i>Brookline,</i>	404 Harvard St.
Winslow, Edward,	<i>Brookline,</i>	404 Harvard St.
Winslow, Fred Bradlee,	<i>Boston,</i>	5 Linden St.
Winthrop, Robert Mason,	<i>Boston,</i>	H'ke 9.
Wolffe, William Burns,	<i>Colorado Spr., Col.</i>	98 Trowbridge St.
Wollaeger, Gustav, Jr.	<i>Milwaukee, Wis.</i>	26 Garden St.
Wood, Howell Thomas,	<i>Jamaica Plain,</i>	27 Green St., Jamai- [ca Plain.
Woodman, Willis Patten,	<i>Jamaica Plain,</i>	378 Harvard St.
Woods, Herbert Richardson,	<i>Boston,</i>	W. 20.
Woolston, Lee Webster,	<i>Boston,</i>	W. 28.
Worthington, John Winthrop,	<i>Dedham,</i>	T. 45.
Wrenn, Robert Duffield,	<i>Cambridge,</i>	861 Main St.
Wright, Moses Hannibal,	<i>Louisville, Ky.</i>	53 Trowbridge St.

Special Students.

Aldrich, Morton Arnold,	<i>Boston,</i>	45 Walnut Ave., Boston.
Andrews, Walter Scott,	<i>Boston,</i>	Warland Building 12.
Angier, Edward Herbert,	<i>Boston,</i>	5 Felton St.
Barnes, Harry Aldrich,	<i>Somerville,</i>	W. 32.
Baxter, Charles Sidney,	<i>Dedham,</i>	M. 50.
Beecher, Henry Chauncey,	<i>Newark, N. J.</i>	378 Harvard St.
Belden, Charles Francis Dorr,	<i>Niagara Falls, N. Y.</i>	69 Oxford St.
Benedict, Francis Gano,	<i>Boston,</i>	150 Huntington Ave., Boston.
Bennett, Guy Brown,	<i>Owatonna, Minn.</i>	5 Shepard St.
Bentley, Daniel Wagner,	<i>Brooklyn, N. Y.</i>	25 Holyoke St.
Blaustein, David,	<i>Cambridge,</i>	C. 54.
Bliss, Charles Arthur,	<i>Newburyport,</i>	C. 48.
Bolman, Frederick DeWolf,	<i>Leavenworth, Kans.</i>	C. 60.
Boyden, Charles Wyatt,	<i>Sheffield, Ill.</i>	7 Felton St.
Boyer, Homer,	<i>Cambridge,</i>	3 Norfolk St.
Breckinridge, John Cabell,	<i>New Orleans, La.</i>	736 Cambridge St.
Brown, George Emery,	<i>Fall River,</i>	6 Story St.
Brumbaugh, Martin Grove,	<i>Huntingdon, Pa.</i>	
Bugbee, Dana Justin,	<i>No. Pomfret, Vt.</i>	C. 54.
Busch, Charles Valentine,	<i>Buffalo, N. Y.</i>	69 Oxford St.
Cahn, Louie Mayer,	<i>Ashland, O.</i>	125 Mt. Auburn St.
Campbell, Francis,	<i>Cambridge,</i>	42 Langdon St.
Carroll, Albert Edward,	<i>Boston,</i>	18 Story St.
Cassidy, David Demarest, Jr.	<i>Amsterdam, N. Y.</i>	M. 18.
Child, Francis Sedgwick,	<i>Cambridge,</i>	67 Kirkland St.
Coburn, Horace Fordyce,	<i>Lowell,</i>	344 Harvard St.
Cohn, Samuel Henry,	<i>Williamsport, Pa.</i>	6 Story St.
Cooke, James Wadsworth,	<i>Buffalo, N. Y.</i>	64 Buckingham St.
Coughlan, Daniel James,	<i>No. Brookfield,</i>	47 Trowbridge St.
Cunningham, Herman Leonard,	<i>Monroe, Wis.</i>	16 Gerry St.
Davis, Arthur Fletcher,	<i>No. East, Pa.</i>	45 Mt. Auburn St.
Davis, Owen Gould,	<i>Middlesboro', Ky.</i>	H. 24.
Dingman, Henry Chase,	<i>Brooklyn, N. Y.</i>	15 Ware St.
Dole, Charles Thurston,	<i>Somerville,</i>	404 Harvard St.
Dorr, Frank Berry,	<i>Clarion, Ia.</i>	45 Sacramento St.
Dows, Tracy,	<i>New York, N. Y.</i>	60 Brattle St.
Dresser, Horatio Willis,	<i>Boston,</i>	69 Brattle St.

Dunn, Burton Leonard,	<i>Kenwood, N. Y.</i>	Hotel Vernon, Ver-
Eaton, Frank Warren,	<i>Natick,</i>	S. 2. [non St.
Ellis, Everett Carl,	<i>Exeter, N. H.</i>	7 Sumner St.
Elmore, Samuel Dean,	<i>Hartford, Conn.</i>	473 Broadway.
Farwell, Fred,	<i>New London, N. H.</i>	42 Mt. Auburn St.
Fisher, Mark Ohl,	<i>Washington, D. C.</i>	Felton Building 12.
Flagg, William Dodge,	<i>Holyoke,</i>	Felton Building 29.
Flint, Perley Greene,	<i>Roxbury,</i>	Little's Block 20.
Fordyce, William Chadwick,	<i>St. Louis, Mo.</i>	Hilton Block 24.
Fraser, Lovat,	<i>New Rochelle, N. Y.</i>	7 Bow St.
Frink, Leonard Alden,	<i>Boston,</i>	17 Dunster St.
Gage, Frederick Hiram, M.D. v. 1890,	<i>W. Medford,</i>	410 Harvard St.
Garland, James Albert, Jr.	<i>New York, N. Y.</i>	Beck Building 1.
Geib, Frank Julius,	<i>Cleveland, O.</i>	54 Mt. Auburn St.
Goulding, Timothy Francis,	<i>Somerville,</i>	220 Summer St., Somerville.
Granger, Commodore Vanderbilt,	<i>Lancaster, Ky.</i>	125 Mt. Auburn St.
Gray, Charles Albert,	<i>Worcester,</i>	776 Main St.
Hammond, Orlando Davis,	<i>Memphis, Tenn.</i>	26 Holyoke St.
Harrison, Frank Matthews,	<i>Napoleon, O.</i>	W. H. 33.
Hill, Clarence Harvey,	<i>Brookline,</i>	M. 37.
Hill, Johnson Washington,	<i>Petersburg, Va.</i>	71 Putnam Ave.
Hixon, Edwin Colfax,	<i>Kansas City, Mo.</i>	30 Irving St.
Hoag, Joseph Kempton,	<i>New York, N. Y.</i>	44 Holyoke St.
Hodge, Frederick Richard,	<i>Antwerp, N. Y.</i>	54 Mt. Auburn St.
Hodge, William F,	<i>Antwerp, N. Y.</i>	54 Mt. Auburn St.
Hoffmann, Ralph,	<i>Stockbridge,</i>	22 Centre St.
Holbrooke, Marshall,	<i>Tacoma, Wash.</i>	146 Austin St.
Holcomb, Homer Leroy,	<i>Ripley, N. Y.</i>	C. 1.
Howard, Frederick Paxson,	<i>Oakland, Cal.</i>	18 Appian Way.
Howe, William De Lancey,	<i>Cambridge,</i>	14 Concord Ave.
Huidekoper, Albert Reynolds,	<i>Meadville, Pa.</i>	Read's Block 14.
Hutchins, Hurley Douglas,	<i>New York, N. Y.</i>	14 Mellen St.
Hutchinson, John William,	<i>Chicago, Ill.</i>	20 Berkeley St.
Hutton, William Edward,	<i>Denver, Col.</i>	T. 66.
Hylan, John Perham,	<i>Fremont, N. H.</i>	60 Mt. Auburn St.
Hyler, William Bowdoin,	<i>Thomaston, Me.</i>	50 Kirkland St.
Jenkins, Herbert Franklin,	<i>Rockland,</i>	54 Mt. Auburn St.
Jennison, James Arthur,	<i>Cambridge,</i>	467 Broadway.
Johnson, Alfred,	<i>Belfast, Me.</i>	721 Cambridge St.
Johnson, Philip Van Kuren,	<i>Cambridge,</i>	W. H. 55.
Johnson, Shirley Everton, A.B.	<i>Louisville, Ky.</i>	157 Mt. Auburn St.
Johnston, Morris Leidy,	<i>Chicago, Ill.</i>	65 Mt. Auburn St.

Johnstone, Hugo Richards,	<i>Keokuk, Ia.</i>	68 Mt. Auburn St.
Joy, Wilford Parsons,	<i>Old Orchard, Mo.</i>	Little's Block 29.
Kasahara, Shokichi,	<i>Tokyo, Japan,</i>	39 Dana St.
Keith, Albert Guy,	<i>Lima, O.</i>	373 Harvard St.
Kent, William Edward,	<i>Binghamton, N. Y.</i>	C. 10.
Lane, John Andros,	<i>Rockland,</i>	54 Mt. Auburn St.
Lighthall, Frederick Stanley,	<i>Syracuse, N. Y.</i>	721 Cambridge St.
Lincoln, Jonathan Thayer,	<i>Fall River,</i>	H'ke 25.
Loring, Lindsley,	<i>Brookline,</i>	Shepherd Block 4.
Lower, Henry Eastman,	<i>Cleveland, O.</i>	378 Harvard St.
Luther, Mark Lee,	<i>Albion, N. Y.</i>	14 Sumner St.
Lyon, Charles Reed,	<i>Waukegan, Ill.</i>	473 Broadway.
McDonald, William Joseph,	<i>Charlestown,</i>	C. 24.
Mack, Clarence Edward,	<i>Cincinnati, O.</i>	Felton Building 23.
Mack, John Joseph, Jr.	<i>New York, N. Y.</i>	Little's Block 32.
Mackay, James Mears,	<i>Chicago, Ill.</i>	Beck Building 42.
MacVeagh, Wayne, Jr.	<i>Philadelphia, Pa.</i>	Little's Block 21.
Marshall, Frank Dennett,	<i>York, Me.</i>	T. 49.
Meagher, Jeremiah William,	<i>Mankato, Minn.</i>	40 Kirkland St.
Merrifield, John Blaisdell,	<i>Somerville,</i>	486 Somerville Ave., Somerville.
Morse, Glenn Tilley,	<i>St. Louis, Mo.</i>	1750 Cambridge St.
Mower, Martin,	<i>Lynn,</i>	20 Holyoke St.
Nakamma, Keijiro,	<i>W. Intami, Ise, Japan,</i>	26 Mellen St.
Newton, William Wilberforce,	<i>Pittsfield,</i>	6 Acacia St.
Orwig, Gale Benton,	<i>Napoleon, O.</i>	W. H. 33. [Lynn.
Osborne, Roy Wallace,	<i>Lynn,</i>	694 Western Ave.,
Perkins, Arthur Enoch,	<i>Arlington Heights,</i>	Dane Hall.
Peters, Frank Queen,	<i>Auburn, N. Y.</i>	23 Irving St.
Poole, George Benson,	<i>Peabody,</i>	414A Harvard St.
Poth, Charles Anthony,	<i>Pittsburgh, Pa.</i>	44 Mt. Auburn St.
Pow, Fred Richard,	<i>Salem, O.</i>	50 Winthrop St.
Prentiss, Henry,	<i>Bangor, Me.</i>	Beck Building 41.
Price, Wilfred Horace,	<i>Mattapan,</i>	Mattapan.
Puffer, James Martin,	<i>Richford, Vt.</i>	365 Harvard St.
Quinn, Frederick Alphonsus,	<i>Cambridge,</i>	180 Lake View Ave.
Rhodes, Samuel Nicholson,	<i>Haddonfield, N. J.</i>	18 Sumner St.
Richards, John Wolcott,	<i>Providence, R. I.</i>	16 Mellen St.
Ridout, John,	<i>St. John's,</i>	
	<i>Newfoundland,</i>	19 Hilliard St.
Robbins, Joseph,	<i>E. Boston,</i>	430 Meridian St., [E. Boston.
Robinson, Edwin Arlington,	<i>Gardiner, Me.</i>	717 Cambridge St.

Rose, Anthony,	<i>Newark, Cal.</i>	13 Norton St.
Rothschild, Alonzo,	<i>New York, N. Y.</i>	1716 Cambridge St.
Saben, Israel Mowry,	<i>Uxbridge,</i>	16 Story St.
Sanford, Samuel Newton Folius,	<i>Fall River,</i>	6 Story St.
Savage, Philip Henry,	<i>Boston,</i>	H'ke 28.
Sawyer, Walter Scott,	<i>Somerville,</i>	W. 32.
Schwarz, George Fred,	<i>New York, N. Y.</i>	69 Oxford St.
Shaw, Robert Gould, 2d,	<i>Jamaica Plain,</i>	Little's Block 4.
Shepard, Burritt Hamilton,	<i>Fanwood, N. J.</i>	5 Linden St.
Sherman, Waldo Henry,	<i>Sioux Falls, So. Dak.</i>	19 Irving St.
Shreve, Benjamin Daland,	<i>Salem,</i>	414A Harvard St.
Simpkins, Charles Ritchie,	<i>Yarmouthport,</i>	31 Holyoke St.
Smart, George Thomas,	<i>Swampscott,</i>	Swampscott.
Smith, Herbert Brush,	<i>Muncy, Pa.</i>	T. 2.
Smith, Louie Edwin,	<i>Salem,</i>	H'ke 6.
Southworth, Otis Stark,	<i>Cleveland, O.</i>	60 Mt. Auburn St.
Stein, Fred Michael,	<i>New York, N. Y.</i>	W. H. 19.
Sternfeld, Julius,	<i>Montgomery, Ala.</i>	96 Ellery St.
Stevens, Horace Nathaniel,	<i>No. Andover,</i>	14 Oxford St.
Stoker, George Edgar, B.S. (<i>Kansas State Agricult. Coll.</i>) 1890,	<i>No. Topeka, Kans.</i>	53 Trowbridge St.
Sullivan, Samuel Meeker,	<i>St. Paul, Minn.</i>	C. 69.
Surette, Thomas Whitney,	<i>Concord,</i>	Concord.
Taber, Edward Carroll,	<i>Keokuk, Ia.</i>	100 Mt. Auburn St.
Talbot, Henry Russell,	<i>Boston,</i>	66 Marlborough St., Boston.
Tarbell, Arthur Wilson,	<i>Newton Highlands,</i>	Little's Block 14.
Thacher, Louis Bartlett,	<i>Yarmouthport,</i>	Hilton Block 15.
Thaw, Henry Kendall,	<i>Pittsburgh, Pa.</i>	Quincy Building 7.
Thayer, Harry Winslow,	<i>New York, N. Y.</i>	Little's Block 26.
Thomas, Frank Henry,	<i>Cambridge,</i>	44 Mt. Auburn St.
Thomas, John Willard,	<i>Cambridge,</i>	2 Butler Pl.
Thorpe, William,	<i>Auburn, N. Y.</i>	M. 38.
Tilden, Irving Niles,	<i>New Bedford,</i>	C. 15.
Treat, Edward Laidley,	<i>Indianapolis, Ind.</i>	12 Kirkland Pl.
Vrooman, Carl,	<i>Kansas City, Kans.</i>	Felton Building 12.
Vrooman, Harry Chase,	<i>Kansas City, Kans.</i>	Felton Building 12.
Wadsworth, James Samuel,	<i>Genesee, N. Y.</i>	13 Bow St.
Weill, Alfred Sigismund,	<i>Buffalo, N. Y.</i>	W. 50.
Weill, Samuel,	<i>Buffalo, N. Y.</i>	Felton Building 24.
Wells, David Dwight,	<i>Norwich, Conn.</i>	30 Irving St.
Wentworth, Strafford,	<i>Cambridge,</i>	G. 39.
White, Clarence Greenleaf,	<i>Cleveland, O.</i>	26 Holyoke St.

White, Fred Rollin,	<i>Cleveland, O.</i>	60 Mt. Auburn St.
Whyte, Fritz William,	<i>Kirkwood, Mo.</i>	Little's Block 6.
Willets, Samuel Taber,	<i>Roslyn, L. I., N. Y.</i>	80 Irving St.
Williams, James Hunt,	<i>Norwalk, O.</i>	16 Oxford St.
Wing, William Arthur,	<i>New Bedford,</i>	10 Concord Ave.
Woods, William Sylvester,	<i>Newburyport,</i>	409 Broadway.
Wormelle, Charles Burton,	<i>Brighton,</i>	21 Sparhawk St., Brighton.
Yost, John Dickson,	<i>San Francisco, Cal.</i>	25 Holyoke St.
Youngman, William Sterling,	<i>Williamsport, Pa.</i>	9 Story St.

SUMMARY.

SENIORS	271
JUNIORS	304
SOPHOMORES	331
FRESHMEN	381
SPECIAL STUDENTS	169
Total	<u>1456</u>

HARVARD COLLEGE.

ADMISSION.

I. ADMISSION OF CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS.

Testimonials.

All candidates for admission are required, before their Final Examination, to furnish certificates of good moral character; and students from other colleges are required to present from those colleges certificates of honorable dismissal. These certificates must be sent to the Secretary at least one week before the date of the examination. *Candidates who divide the examination must furnish their testimonials at the time of their final examination for admission.*

Every candidate is required to give, at the time of his examination, the addresses of two persons, preferably former teachers or employers, from whom information about him may be obtained.

Fees.

A fee of five dollars must be paid in advance by every candidate who is examined at any place other than Cambridge. The whole fee of a candidate who purposes to divide his examination between two years is payable before his first examination: it should be sent by check, post-office order, or registered letter to CHARLES F. MASON, *Bursar*, Cambridge, Mass., and should be in the Bursar's hands not later than June 10.

Elementary and Advanced Studies.

The examinations for admission embrace two classes of studies, *Elementary* and *Advanced*.

The elementary studies are not treated as equivalent; Greek, Latin, and Mathematics are most important.

The advanced studies are regarded as occupying equal amounts of time in school, and are of equal importance in the examinations. Each of the advanced studies is taught in College in an elective course (or two half-courses) occupying three hours a week for a year; * and the

* Advanced Greek corresponds to Greek *A*, Advanced Latin to Latin *A*, Greek Composition to Greek *F*, Latin Composition to Latin *F*, Advanced German to German *C*, 1*a*, or 1*b*, Advanced French to French 1*a*, or 1*b*, Logarithms and Plane Trigonometry to Math. *A*, Solid Geometry to Math. *E*, Analytic Geometry to Math. *B*, Advanced Algebra to Math. *D* (advanced section), Advanced Physics to Physics *C*, and Chemistry to Chemistry *B* (full course). Elementary German, French, and Physical Science (2), are also equivalent to German *A*, French *A*, and Physics *B*, respectively.

standard of the entrance examinations is the same as that of the corresponding College courses.

Requirements for Admission to the Freshman Class.

The elementary studies are prescribed for all candidates, except under the conditions named below (paragraphs I. and II.); and every candidate is further required to present himself for examination in not less than two of the advanced studies.

I. The advanced study numbered 6 together with one of the three numbered 7, 8, and 9, may be substituted for either elementary Greek or elementary Latin.

II. Any candidate who passes the examination in one advanced study in addition to the number otherwise required, — thus anticipating an elective study of his College course, — may omit either German or French in the examination for admission, and take it in his Freshman year as part of his regular work, in place of the study anticipated.

A candidate may therefore satisfy the requirements for admission by passing examinations in —

(a) All the elementary studies, and at least two of the advanced studies.

(b) All the elementary studies except either German or French, and at least THREE advanced studies.

(c) All the elementary studies except either Greek or Latin, and at least FOUR advanced studies, including 6 and one of the three numbered 7, 8, and 9.

(d) All the elementary studies except either Greek or Latin and either German or French, and at least FIVE advanced studies, including 6 and one of the three numbered 7, 8, and 9.

A candidate may be admitted in spite of deficiencies in some of these studies; but no candidate so admitted will be recommended for the degree until he has made good such deficiencies to the satisfaction of the Faculty.

ELEMENTARY STUDIES.

1. *English.* — This study may be offered at the Final Examination only. The candidate will be required to write a short composition on one of several subjects announced at the time of the examination. In 1892 the subjects will be drawn from one or more of the following works: Shakspeare's Julius Cæsar and As You Like It, Scott's Marmion, Longfellow's Courtship of Miles Standish, the Sir Roger de Coverley Papers in the Spectator, Macaulay's second Essay on the Earl of Chatham, Webster's

first Bunker Hill Oration, Irving's *Alhambra*, Scott's *Talisman*, George Eliot's *Scenes of Clerical Life*, Hawthorne's *House of the Seven Gables*. Every candidate is expected to have read intelligently *all* the books prescribed.

The English written by a candidate in any of his examination-books may be regarded as part of his examination in English, in case the evidence afforded by the examination-book in English is insufficient.

The candidate will also be required to *correct specimens of bad English*.

The works prescribed for the examinations of 1893, 1894, and 1895 are the following:—

For 1893: Shakspeare's *Julius Cæsar* and *Twelfth Night*, Scott's *Marion*, Longfellow's *Courtship of Miles Standish*, the *Sir Roger de Coverley Papers* in the *Spectator*, Macaulay's second *Essay on the Earl of Chatham*, Emerson's *American Scholar*, Irving's *Sketch Book*, Scott's *Ivanhoe*, Dickens's *David Copperfield*.

For 1894: Shakspeare's *Julius Cæsar* and *Merchant of Venice*, Scott's *Lady of the Lake*, Arnold's *Sohrab and Rustum*, the *Sir Roger de Coverley Papers* in the *Spectator*, Macaulay's second *Essay on the Earl of Chatham*, Emerson's *American Scholar*, Irving's *Sketch Book*, Scott's *Abbot*, Dickens's *David Copperfield*.

For 1895: Shakspeare's *Merchant of Venice* and *Twelfth Night*, Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*, Longfellow's *Evangeline*, the *Sir Roger de Coverley Papers* in the *Spectator*, Macaulay's *Essays on Milton* and *Addison*, Webster's first *Bunker Hill Oration*, Irving's *Sketch Book*, Scott's *Abbot*.

2. *Greek*. — The translation at sight of simple Attic prose (with questions on the usual forms and ordinary constructions of the language).

3. *Latin*. — The translation at sight of simple prose (with questions as in Greek).

4. *German*. — The translation at sight of simple prose.

5. *French*. — The translation at sight of ordinary prose.

The passages set for translation in 4 and 5 will be similar to those set at the final examinations in German A and French A respectively, — College courses each having three hours of instruction a week through the year. A knowledge of the language itself, rather than of the grammar, is expected; but proficiency in elementary grammar or facility in writing the language will be accepted as an offset for some deficiency in translation. It is recommended that from the outset attention be given to pronunciation.

6. *History (including Historical Geography)*. — Either (1) *History of Greece and Rome*; or (2) *History of the United States and of England*.

The following works will serve to indicate the amount of knowledge demanded in History: Oman's History of Greece; Allen's History of the Roman People (the whole), or Leighton's History of Rome (to the death of Commodus); Higginson's Young Folks' History of the United States (to the end of Chapter XXI.), and Johnston's History of the United States for Schools (beginning at § 269); Guest and Underwood's Hand-book of English History (to the year 1793).

The following selections are recommended for additional reading and will be made the basis of optional questions in the examination: *—

For Greek History: Curtius, History of Greece, Book I. Ch. I., Book II. Ch. IV., and Book III. Ch. III.

For Roman History: Beesly's The Gracchi, Marius, and Sulla; Tighe's Development of the Roman Constitution.

For American History: Lodge's English Colonies, Chapters II. and XXII.; Morse's John Quincy Adams, Chapters II. and III.; Josiah Quincy's Figures of the Past.

For English History: Macaulay's History of England, Chapters I. and III.

7. *Mathematics*.—(a) Algebra, through Quadratic Equations. (The requirement in Algebra embraces the following subjects: factors, common divisors and multiples, fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral exponents and the extraction of roots; putting questions into equations, and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees, with one or more unknown quantities, and of problems leading to such equations.) (b) Plane Geometry.

8. *Physical Science*.—Either (1) Astronomy (Lockyer's Elementary Lessons), and Physics (Avery's Elements of Natural Philosophy † or Gage's Elements of Physics); or (2) A course of experiments in mechanics, sound, light, heat, and electricity. These experiments must be not less than forty in number, and must be actually performed at school by the pupil; they may be selected from A. M. Worthington's Physical Laboratory Practice (Rivingtons, London, 1886), or from "The New Physics," by John Trowbridge (Appleton & Co., New York), or from any similar laboratory manual.

* Candidates who take the questions on the Selections will be allowed to omit some of the questions on the corresponding Manual.

† The following portions of the 1885 edition may be omitted:—sections I. and II. of chap. I. (excepting arts. 23-30), arts. 254-267, 346-349, 371, 411-415, 445-455, 464-467, 470-476, 707-714, 729-745, and the whole Appendix.

The Faculty requests all teachers who can command the necessary apparatus to present their pupils in (2) rather than in (1). (For the character of the examination in (2) see the note under Advanced Studies 8 and 9.)

ADVANCED STUDIES.*

The half-courses designated by the letters (a) and (b) in the studies numbered 3, 6, and 7 may be combined at the option of the candidate, and any two of them will be accepted (subject to the conditions stated on page 153, paragraphs c and d) as the equivalent of one whole study.

1. *Greek*. — The translation at sight of average passages from Homer or the translation at sight of less difficult passages from both Homer and Herodotus (with questions on the usual forms and ordinary constructions of the language and on prosody).

2. *Latin*. — The translation at sight of average passages from Cicero and Virgil (with questions as in Greek).

3. *Greek and Latin Composition*. — (a) The translation into Greek of a passage of connected narrative. English. In 1892 the passage will be based upon some portion of the first five chapters of the fourth book of Xenophon's Hellenica. (b) The translation into Latin of a similar passage, based upon some portion of Nepos's Lives of Miltiades, Themistocles, Alcibiades, Epaminondas, and Hannibal.

✎ In 1893 and thereafter the requirements in this subject will be as follows: —

3. *Greek and Latin Composition*. — (a) The translation into Attic prose of a passage of connected narrative. (b) The translation into Latin of a similar passage.

In preparing for this subject, it is strongly urged that from an early stage pupils be accustomed to translate into Greek and Latin not merely detached sentences illustrative of constructions, but also passages of connected narrative prepared by the teacher on the basis of the prose authors read. The passages set at the examination will be of this character. Examples of the kind of exercise recommended may be found in the following books: Allinson's Greek Prose Composition (Boston: Allyn & Bacon); Woodruff's Exercises in Greek Prose Composition (Boston: Leach, Shewell, & Sanborn); Collar's Practical Latin Composition (Boston: Ginn & Co.); Daniell's Exercises in Latin Composition (Boston: Leach, Shewell, & Sanborn).

4. *German*. — Lessing (Minna von Barnhelm). — Schiller (Wilhelm Tell). — Goethe (Hermann und Dorothea). — Chamisso (Peter Schlemihl).

* See foot-note on p. 152.

— Freytag (Aus Neuer Zeit, chapters V., VI., IX.). — Translation at sight of modern German prose. — Grammar and Composition.

5. *French*. — George Sand (Marianne). — Sandeau (Mlle. de la Seiglière, the play). — Scribe et Legouv  (Bataille de Dames). — Henri Gr ville (Dosia). — La Fontaine (Fables, Books 1 and 2). — Moli re (L'Avare). — Racine (Andromaque). — Corneille (Horace). — Translation at sight of modern French prose. — Grammar and Composition.

In advanced German and French, translation at sight will form an important part of the examination. Candidates will be expected to be familiar with the subject-matter as well as the language of the prescribed books. Some of the books may be changed from time to time, but with not less than two years' notice. The passages set for translation into German or French will be suited to the proficiency of those who have begun to study the language in College and have had instruction in it three hours a week for two years.

6. *Mathematics*. — (a) Logarithms; Plane Trigonometry, with its applications to Surveying and Navigation. (b) Either Solid Geometry or the Elements of Analytic Geometry.

7. *Mathematics*. — (a) Either Solid Geometry or the Elements of Analytic Geometry. (b) Advanced Algebra.

The following books will serve to indicate the nature and amount of the requirements in Logarithms and Trigonometry, Analytic Geometry, and Mechanics:—

Logarithms and Trigonometry. Wheeler's Logarithms (Cambridge: Sever) or the unbracketed portions of Peirce's Elements of Logarithms (Boston: Ginn & Co.). Wheeler's Plane Trigonometry (same publishers). Problems in Plane Trigonometry (Cambridge: Sever). Peirce's Mathematical Tables (Boston: Ginn & Co.).

Analytic Geometry. Briggs's Analytic Geometry (New York: Wiley & Co.).

Advanced Algebra. Wentworth's College Algebra (Boston: Ginn & Co.), to article 498, omitting Chapters XIX., XX., XXIV., XXV., XXVII., XXVIII. The examination will be mainly occupied with the portions of Algebra, as thus defined, which are not included in the elementary requirement in Algebra; but elementary questions will not necessarily be excluded.

8. *Physical Science*. — Physics. A course of at least sixty experiments in addition to those of Elementary Physics (2), selected from the same or similar manuals, and covering the same subjects, but demanding more skill and more knowledge of physical theories and laws.

9. *Physical Science*. — Chemistry. A course of at least sixty experiments in General Chemistry actually performed at school by the pupil.

In Elementary Physics (2), in Advanced Physics, and in Chemistry, the candidate will be required to pass both a written and a laboratory examination. The written examination will test the candidate's knowledge of experiments and experimenting as well as his knowledge of principles and results. The laboratory examination will test his skill in experimenting. The candidate will be required to hand in the original note-book in which he recorded the steps and results of the experiments which he performed at school; and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. The note-book in Physics should contain an index of the exercises which it describes.

A candidate who offers Advanced Physics or Chemistry will hand in his laboratory note-book at *the hour of the written examination*. The note-books of candidates who offer Elementary Physics (2) are to be handed in at *the hour appointed for candidates to meet the officer in charge of the examination* (see programme, p. 165).

Laboratory note-books will be deposited, after examination, in the Secretary's office, where they will be kept for a reasonable time, subject to the order of the owners.

A candidate examined in June at any place where a laboratory examination is not provided will be required to take such examination in Cambridge in September, *at or before the time when he enters College*; but if he passes the written examination in June, the subject will be counted in his favor in determining the question of his admission to College. A similar postponement of the laboratory examination is allowed to a candidate who offers Experimental Physics at his *preliminary* examination.

Most pupils will need lectures or other oral explanations in addition to the descriptions given in the laboratory manuals. When it is impossible to provide lectures, two text-books treating the subject from different points of view will be advantageous.

Descriptive lists of experiments which will meet the requirements in Physics and Chemistry may be procured of CHARLES W. SEVER, Bookseller, Harvard Square, Cambridge.

The passages set for translation must be rendered into simple and idiomatic English. Teachers are requested to insist on the use of good English as an essential part of the candidate's training in translation.

In Latin the following pronunciation is recommended:—*ā* as in *father*, *ă* the same sound but shorter; *ē* like *ê* in *fête*, *ē* as in *set*; *ī* as in *machine*, *ī* as in *sit*; *ō* as in *hole*, *ō* as in *nor*; *ū* as in *rude*, *ū* as in *put*; *j* like *y* in *year*, *c* and *g* like Greek *κ* and *γ*.

It is further recommended that pupils be accustomed, from the beginning of the preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teacher on the basis of the prose authors read.

Instructors are requested to teach their pupils in pronouncing Greek to use the *Greek accents*, and to give (for example) *a* the sound of *a* in *father*, *ɪ* that of *a* in *fate*, *ɪ* that of *i* in *machine*, etc.

A set of recent examination papers will be sent to any address, on application to the Secretary.

EXAMINATIONS.

The examinations in the elementary studies will occupy one hour each, except the examination in English, which will occupy an hour and a half, and the examinations in Greek, Latin, and Mathematics, which will occupy two hours each. The examinations in the advanced studies will each occupy two hours.

If a study consists of two parts, designated by the letters (*a*) and (*b*), the examinations in those parts may be taken separately by a candidate who divides his examinations for admission either between two years or between June and September of the same year. No other study may be divided.

DIVISION OF THE EXAMINATION.

A candidate for admission may, at his option, pass the entire examination at one time; or he may divide it (1) between two years, or (2) between June and September of the same year, under the following conditions:—

1. *Preliminary Examination.* He may pass a preliminary examination on a part of the studies, and be examined on the remaining studies in some subsequent year. For the preliminary examination the candidate must present himself *in June*. No one will be examined in September without special permission from the Dean.

English must be reserved for the candidate's Final Examination. With this exception, candidates may offer themselves for the Preliminary Examination in any studies, elementary or advanced, *in which their teachers certify that they are prepared*. When a candidate has been in regular attendance at a school or academy during the year preceding his preliminary examination, his certificate of preparation must be signed by the principal of that school or academy.

A preliminary certificate will be granted to any candidate who passes the examination in studies occupying, in the aggregate, five hours on the examination programme. No certificate will be given, and no account will be made of the Preliminary Examination, unless the candidate passes examinations occupying at least five hours.

The certificates of candidates to be examined in Cambridge must be in the hands of the Secretary on or before June 21; those of candidates to be examined elsewhere, on or before June 14: and no person will be received at the Preliminary Examination who has not presented his certificate at the required time.

2. A candidate who presents himself in June intending to pass the whole examination in the same year may postpone until September any studies occupying, in the aggregate, not more than six hours on the examination programme. But he will not be examined in September in any subject in which he has failed in June. (Candidates who divide the examination between June and September of the same year should not register as *Preliminary* candidates.)

Optional Examinations. Anticipation of College Studies.

In addition to the examinations required for admission to College, optional examinations are provided for such candidates as have extended their studies beyond the requirements. The standard of these examinations is higher than that of the examinations for admission.

I. A candidate may present himself for examination in any of the Advanced Studies not offered by him for admission, and thus qualify himself to pursue more advanced courses in those subjects in College.

II. A candidate may present himself for additional examination in one or more of the following studies: (a) the prescribed courses of the Freshman year (see p. 163); (b) any elective course intended primarily for undergraduates.

The examinations in prescribed Freshman studies and in those elective studies which are identical with "Advanced Studies" (see foot-note on page 152), may be taken either in June or in September, or partly in June and partly in September; but a candidate who fails to pass in any study in June will not be examined in that study again in September.

The examinations in *other elective* studies are held *in the autumn only*.

Written notice of the intention to take these examinations must be in the hands of the Secretary not later than *September 10*.

For times and places of examination, see page 166.

USES OF OPTIONAL EXAMINATIONS.

These optional examinations encourage teachers to carry the studies of their brighter and more diligent pupils beyond the bare requirements for admission, in whatever direction taste or opportunity may suggest. Full employment may thus be secured for the most capable student until he is thought mature enough to enter College; and his greater progress in school

will make his College course more profitable, by enabling him either to take up his studies at a more advanced stage, or to give more time to the studies of his choice.

A student who has anticipated any of the studies of the Freshman year by means of the optional examinations may substitute in place thereof any elective courses which he is qualified to pursue.

A student who, besides passing a creditable examination for admission to the Freshman class, has anticipated Freshman studies, may, if he see fit, count them toward his degree in either of the following ways : —

1. He may obtain permission to reduce, by the amount of the studies anticipated, the number of courses regularly required in the Senior or in the Senior and Junior years : provided that the reduction shall not exceed one full course in either year. Such permission will be granted, however, only for the purpose of enabling him to devote the time thus gained to his remaining studies.

2. If he has anticipated Freshman studies amounting to a substantial portion of the year's work, and desires to fulfil the requirements for the degree in three years, he may apply to the Administrative Board for leave so to do, specifying in his application the manner in which he proposes to arrange his studies for that purpose. The Board will decide on such applications according to the circumstances of each case.

Admission to Advanced Standing.

I. BY EXAMINATION. A candidate may be admitted to the Sophomore, Junior, or Senior Class, if he appear on examination to be versed in the following studies : —

1. The studies required for admission to the Freshman Class (pp. 153-159).

2. All the prescribed studies already pursued by the class for which he is offered, and as many elective studies as he would have pursued if he had entered at the beginning of the course (pp. 168-169).

A candidate may be admitted in spite of deficiencies in some of these studies ; but no candidate so admitted will be recommended for the degree until he has made good such deficiencies to the satisfaction of the Faculty.

Candidates for admission to advanced standing may be examined in the studies required for admission to the Freshman Class, in the *prescribed* studies of the Freshman year, and in such elective studies as are identical with the Advanced Studies of the examination for admission,* at the time of either of the regular examinations for admission (see pp. 163-166) : or they may divide the examination and take part in June and part in

* See foot-note on p. 152.

September; but a candidate who fails in any subject in June will not be examined again in that subject in September.

Examinations in *other elective studies* are held *in the autumn only*. The Secretary must receive, not later than *September 10*, a written notice specifying the elective course or courses in which the candidate wishes to be examined.

II. WITHOUT COMPLETE EXAMINATION. Graduates of other colleges, and students from the higher classes of other colleges, are admitted without examination, on presenting testimonials of scholarship and character and satisfactory evidence of work well performed in the institutions previously attended. Such graduates, or students, are assigned to those classes for which their previous training seems to qualify them. Every case is decided on its own merits; and no student from another college may—without examination—count on such terms of admission as shall enable him to take the degree of A. B. in Harvard College as early as he would have taken it in the college from which he has come.

Applications will be acted upon promptly, at any season of the year. Every person wishing to enter Harvard College under this provision must make a complete written statement of the work on which he bases his application. In this he should state how old he is; at what school or schools he received his preparatory training; how long he attended each school; what he studied; how much time he gave to each of the more important studies; and how far he advanced in each before he entered college. His statement of college work should be equally specific. If, for instance, he has read Horace, he should state what parts he has read; if the course he has pursued differs from the printed announcement of it, the printed announcement, uncorrected, will be insufficient.

The applicant is further required to furnish official statements showing his rank or grade in his various college studies; and letters, or other evidence, showing the opinion his instructors have formed of his character and scholarship.

Candidates from other colleges may be admitted to Harvard College in spite of some deficiencies in their work, on condition that they shall make good these deficiencies before receiving the degree. Deficiency in one direction may be offset by unusual attainments in another. Elementary deficiencies, for instance, may be offset by work performed in a professional school.

Persons admitted to advanced standing are entitled to compete for scholarships, and to obtain beneficiary aid, on an equal footing with other students (see pp. 185–195).

Blank forms for application for admission to advanced standing may be obtained from the Secretary of the University, No. 5 University Hall, Cambridge.

Prescribed Studies of the Freshman Year.

The following statement of the prescribed studies of the Freshman year will serve for the guidance of those who are preparing to take in 1892 the examinations for advanced standing or for the anticipation of Freshman studies. For elective studies, see p. 168.

1. RHETORIC AND ENGLISH COMPOSITION. — Hill's Principles of Rhetoric, including the Appendix on Punctuation. — Lectures on the lives and writings of Dryden, Pope, Swift, Addison, Steele, Defoe, Johnson, Goldsmith, and Burke. — Practice in Writing. *Three hours a week.*

2. GERMAN or FRENCH (whichever the student did not offer at the examination for admission. See Elementary Studies 4 and 5, page 154.) *Three hours a week.*

3. CHEMISTRY. — Lectures. *Once a week, first half-year.*

[Candidates may prepare themselves on Cooke's New Chemistry,* Chapters II.-XII.]

Times and Places of Examination.

EXAMINATION FOR ADMISSION TO THE FRESHMAN CLASS.

Two regular examinations for admission to the *Freshman* Class are held each year, — one at the beginning of the summer vacation, and the other at the beginning of the academic year in the autumn.

No candidate rejected in June will be allowed to take the examinations in September of the same year, unless he has passed examinations occupying at least six hours. A candidate rejected in June and allowed to take the examinations in September must be reëxamined in all the studies in which he was examined in June.

First Examination.

In 1892, the *first examination* will be held on Tuesday, Thursday, Friday, and Saturday, June 28, and 30, July 1, and 2 in the following places: In *Cambridge*, in Sever Hall; in *Quincy*, in the rooms of the Adams Academy; in *Andover*, in the rooms of the Phillips Academy; in *Groton*, in the rooms of the Groton School; in *Southborough*, in the rooms of St. Mark's School; in *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street; in *Exeter, N. H.*, in the rooms of Phillips Exeter Academy; in *Concord, N. H.*, in the rooms of St. Paul's School; in *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, Twenty-third Street, corner of Fourth Avenue; in *Albany, N. Y.*, in the rooms of the Young Men's Christian Association; in *Buffalo, N. Y.*, in the High School building, corner of Court and

* Of Appleton's International Series.

Franklin Streets; in *Philadelphia, Pa.*, in the rooms of the Academy of Natural Sciences, S. W. corner of Nineteenth and Race Streets; in *Washington, D. C.*; in *Cleveland, O.*, in the Central High School building; in *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street; in *Chicago, Ill.*, in rooms of the Chicago Athenæum, VanBuren Street; in *St. Louis, Mo.*, in the Central High School building, corner of Olive and Fifteenth Streets; in *Minneapolis, Minn.*, in the Lecture-room of the Public Library building; in *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets; in *San Francisco, Cal.*, in the rooms of the Boys' High School, on Sutter Street, between Gough and Octavia Streets; in *Portland, Oregon*; in some convenient city in Europe, to be announced later; and in *Tokyo, Japan*.

The College will ordinarily conduct the admission examinations in June in any school or city where the number of candidates for examination, preliminary or final, shall be not less than ten; provided that the school or city be not within easy reach of one of the regular places of examination. Applications for examinations in June, in schools or cities not named above, should be made to the Secretary of Harvard University as early as the 1st of April.

Candidates who wish to take the examinations in the advanced studies numbered 7 (*b*), 8, or 9, must assemble punctually at 8.30 o'clock A.M. on the *first* day of the examination (Tuesday, June 28); all other candidates must present themselves at 8 o'clock A.M. on the *second* day of the examination (Thursday, June 30).

Candidates who wish to be examined in any place other than Cambridge, are required to give notice to the Secretary. The notice must be *in the Secretary's hands* not later than June 10. Candidates who intend to take any of the examinations of the first day must mention this intention in the notice.

A fee of five dollars must be paid in advance by every candidate who is examined at any place other than Cambridge. The whole fee of a candidate who purposes to divide his examination between two years is payable before his first examination: it should be sent by check, post-office order, or registered letter to CHARLES F. MASON, *Bursar*, Cambridge, Mass., and should be in the Bursar's hands not later than June 10.

Persons who do not intend to enter College will be admitted to the examinations at other places than Cambridge on payment of a fee of five dollars; and, if successful, will receive certificates to that effect.

Second Examination.

The *second* examination will be held in *Cambridge only*, on Thursday, Friday, Saturday, and Monday, September 22, 23, 24, and 26.

All candidates must present themselves punctually at 8 A.M. on the *first* day of the examination (Thursday, Sept. 22).

ORDER OF EXAMINATIONS.

It will be observed that in 1892, and thereafter, the examination in Analytic Geometry will be held on the *first day*, instead of on the second as heretofore.

Tuesday, June 28.

8½ A.M. Candidates offering Advanced Chemistry, Advanced Physics, Advanced Algebra, or Analytic Geometry meet the officer in charge of the examinations.

9-10. Advanced Chemistry (written examination).

10-11. Advanced Physics (written examination).

11½-12½. Advanced Algebra.

12½-1½. Analytic Geometry.

Thursday, June 30, and Thursday, September 22.

8 A.M. Applicants meet the officer in charge of the examinations.

9-11. Elementary Latin. 2½-3½. Latin Composition.

11½-1½. Elementary Greek. 4-6. Advanced Latin.

Friday, July 1, and Friday, September 23.

8-9. Elementary Physics. 1-2½. English.

9-10. Plane Geometry. 3-4. Greek Composition.

10½-11½. Algebra. 4-6. Advanced Greek.

11½-12½. History.

Saturday, July 2, and Saturday, September 24.

8-10. Advanced French. 1½-2½. Elem. French (French A).

10½-11½. Log. and Trigonometry. 2½-3½. Elem. German (Germ. A).

11½-12½. Solid Geometry. 4-6. Advanced German.

Monday, September 26.

8½ A.M. Candidates offering Advanced Chemistry, Advanced Physics, Advanced Algebra, or Analytic Geometry meet the officer in charge of the examinations.

9-10 A.M. Advanced Chemistry (written examination).

10-11. Advanced Physics (written examination).

11½-12½. Advanced Algebra.

12½-1½. Analytic Geometry.

Laboratory examinations in Physical Science will be provided (in Cambridge only) during the four days of the examinations. Each candidate will receive due notice of the time and the place of his laboratory examination.

In June the laboratory examinations in Elementary Physics will not begin on the first day.

EXAMINATION IN THE PRESCRIBED STUDIES OF THE FRESHMAN YEAR.

In 1892, the first examination will be held on Tuesday, June 28, and the second on Monday, September 26, in accordance with the programme given below. These examinations are held in Cambridge only.

ORDER OF EXAMINATIONS.

Tuesday, June 28, and Monday, September 26.

2.45 P.M. Applicants assemble in 35 Sever Hall.

3-5. English A.

5-6. Chemistry A.

The examinations in French A and German A are identical with the admission examinations in Elementary French and German (see p. 165).

EXAMINATIONS IN ELECTIVE STUDIES.

Examinations in elective studies that are not equivalent to advanced admission studies are held in the autumn only, and nowhere but in Cambridge. The examinations in such elective studies as are equivalent to advanced admission studies (see foot-note on page 152) are identical with the examinations in the latter, and must be taken at the same times and places.

No person will be examined for admission to College at any other times than those above specified.

II. ADMISSION OF SPECIAL STUDENTS.

The courses of study in Harvard College are open to persons who give satisfactory evidence of their fitness to pursue the particular courses they elect, although they have not passed the usual examination for admission to College. These students are known as Special Students; they are members of the College from the time of their admission, but are not candidates for the degree of Bachelor of Arts.

Special Students are admitted to College by a committee of the Faculty, to whom their choice of studies must be submitted for approval at the beginning of each year; and their work is carried on under the constant supervision of this committee.

Candidates for admission to the College as Special Students will be furnished by the Secretary (No. 5, University Hall) with blank forms of application, which should be duly filled out and returned to the Secretary. Candidates are advised to submit their applications, if possible, before the middle of July. Such applications will be acted upon promptly, after the receipt of all necessary papers; and the decision of the committee will be made known to the candidate at once. Applications will be received later in vacation, but equally prompt action upon them cannot always be secured.

Special Students are subject to all the regulations of the College: their names are entered upon the annual rank-lists, and these lists are sent to their parents or guardians; and they are allowed to compete for Honors on the same terms as undergraduates.

The Faculty may deprive any Special Student of his privileges at any time, if he abuse or fail to use them.

For further information as to Special Students, see p. 170.

REGISTRATION.

Every student is required to present himself for registration, at a place announced on the bulletin boards, on Thursday, the first day of the academic year, between the hours of 9 A.M. and 1 P.M., and not later than 12 o'clock noon on the first week day after the Christmas recess and after the April recess. He is further required to enroll himself at the first exercise in each of his studies, prescribed and elective; or, in case he has obtained leave to change his studies, at the first exercise after his admission to the new course.

REGISTRATION OF SPECIAL STUDENTS.

Special Students who are already members of the College, and candidates whose applications have been approved by the committee, will present themselves for registration on Thursday, the first day of the academic year, at an hour and a place announced on the official bulletin-board in University Hall.

COLLEGE STUDIES.

STUDIES OF UNDERGRADUATES.

FRESHMAN YEAR.

PRESCRIBED STUDIES.

Rhetoric and English Composition. (English *A*.) *Three times a week.*

Chemistry. (Chemistry *A*.) *Lectures, once a week, first half-year.*

German or French (German *A* or *B*, or French *A*) is further prescribed for those who do not present both of these languages for admission. *Three times a week.*

ELECTIVE STUDIES.

In addition to the prescribed studies named above, every Freshman is required to pursue elective studies amounting to *four full courses*; except that any Freshman for whom German or French is a *prescribed* study is required to take only *three* courses. No Freshman may elect more than two courses in the same department except by special permission of the Dean.

The following elective courses are open to Freshmen:—

Greek *A, B, C, D, E* ($\frac{1}{2}$), *F* ($\frac{1}{2}$).

Latin *A, B, C, D, E* ($\frac{1}{2}$), *F* ($\frac{1}{2}$).

German *1a, 1b, 1c, E, 2, 3, 4.*

French *1a, 1b, 2, 9.*

Italian *1*, or Spanish *1.*

History *1, 2* ($\frac{1}{2}$).

Music *1.*

Mathematics *A* ($\frac{1}{2}$), *B* ($\frac{1}{2}$), *C, D* ($\frac{1}{2}$), *E* ($\frac{1}{2}$), *1* ($\frac{1}{2}$).

Physics *B* ($\frac{1}{2}$), *C, 1.*

Chemistry *B* (*1* or $\frac{1}{2}$), *1, 2.*

Botany *1* ($\frac{1}{2}$).

Zoölogy *1* ($\frac{1}{2}$).

Geology *1* ($\frac{1}{2}$), *2* ($\frac{1}{2}$), *4* ($\frac{1}{2}$), *5* ($\frac{1}{2}$).

A Freshman who is qualified to pursue a higher course in any department named above may do so, with special permission.

No study presented in satisfaction of the requirements for admission may be counted as College work. A student who has failed at his admission examinations in any study taught in College, may make good the deficiency either by taking the corresponding course as an *additional study*

(see below), or by merely passing the mid-year and final examinations in the course, provided that in the latter case he give notice of his intention one month in advance.

ADVISERS.

The Freshman class is placed under the special charge of a Committee of the Faculty, each member of which acts as adviser to a certain portion of the class. Every Freshman is required to submit his choice of studies to his adviser at or before the beginning of the year; and his work is to be carried on under the supervision of that officer. He may consult his adviser upon any topic relating to his College life.

SOPHOMORE, JUNIOR, AND SENIOR YEARS.

The prescribed work of the Sophomore and Junior years consists of Themes and Forensics* (English *B* and *C*). No studies are prescribed for the Senior year.

Every Senior, Junior, and Sophomore is required to take *four elective courses*: he may take an equivalent amount of courses and half-courses; but without permission from the Dean he shall not take less than the equivalent of three half-courses, during either half-year. The choice in all cases must be made in accordance with the directions given below (page 170).

ADDITIONAL STUDIES.

A student whose record of work performed is complete at the beginning of any year may take elective studies in excess of the amount required (see above), to the extent of one course in his Freshman year, and of two courses in any subsequent year. In each of the studies pursued under this provision the student assumes the same responsibility, and is entitled to the same privileges, as if his work were limited to the required amount. He may, however, at any time withdraw from any study which he is pursuing in excess of the required amount, by giving written notice to the Recorder.

A student whose record is deficient at the beginning of any year, is expected to pursue during that year such studies, in addition to those otherwise required, as may be necessary to make up the deficiency in accordance with the Regulations; and these additional studies will be treated in all respects as part of his regular work. With the consent of the Dean, he may take additional studies beyond the amount necessary to make up his deficiency, under the conditions stated in the last paragraph.

* For Forensics candidates for *Final or Second-Year Honors* may substitute Theses in their special departments, provided such substitution be approved by the Instructors in those departments, and by the Instructor in Forensics; but no thesis that forms part of the work in any of the student's regular courses shall be so substituted.

A student who wishes, without assuming all the responsibilities of a regular study, to attend the instruction in any course, may do so on obtaining leave of the Instructor; but no record will be kept of his attendance, and he will receive no credit in the course.

STUDIES OF SPECIAL STUDENTS.

Special Students are under the charge of a Committee of the Faculty; and each student is under the particular supervision of a member of the committee, who acts as his adviser. Every Special Student is required to meet his adviser on the last Wednesday of September, at a time and a place to be announced on the official bulletin boards, and to submit his choice of studies in writing for approval.

A certificate of proficiency will be given, if desired, to any Special Student who has faithfully pursued his chosen subjects throughout a year and attained therein a grade not lower than Grade *B**.

A Special Student who has passed in twelve elective courses, and has stood above Grade *C** in six courses (or their equivalent) without falling below Grade *C* in any course, shall receive a certificate on Commencement Day, and shall be named on the Commencement Programme as a Candidate for a Certificate.

A Special Student who has taken Honors shall receive a certificate on Commencement Day, shall be named on the Commencement Programme both as a Candidate for a Certificate and as a Candidate for Honors, and shall be named in the next Annual Catalogue in the list of students to whom Honors have been awarded.

CHOICE OF COLLEGE STUDIES.

Every student is required to give notice in writing of his choice of elective studies for the year to the officer with whom he registers on Thursday, the first day of the academic year, between 9 a.m. and 1 p.m. Blank forms will be provided at the place of registration. It is of the utmost importance that the student should have considered fully the question of his choice of studies before the first day of the year. Changes may be made only by permission of a committee of the Faculty, to whom application must be made in writing, with a full statement of reasons.

The student's choice is limited to those studies which his previous training qualifies him to pursue; and he must observe any restrictions that may be attached to the particular courses he wishes to select. He is further required to avoid any conflict of recitation hours or of examinations between his courses.

* See p. 171.

Any choice of elective courses which calls for attendance at more than three lectures or recitations in those courses on any one day of the week must receive the written approval of the Dean.

No starred (*) course may be chosen without the *previous* consent of the Instructor. Application for such permission should be made, if possible, before the summer vacation.

An undergraduate who wishes to take a Graduate course is required to consult the Instructor in advance; if possible he should do this before the summer vacation. He will be admitted to the course on the recommendation of the Instructor, presented to the Secretary *in writing*.

Students are strongly urged to choose their studies with the utmost care, under the best advice, and in such a manner that their studies from first to last may form a rationally connected whole. It is believed that any plan of study, deliberately made and adhered to, will be more profitable to the student than studies chosen by him from year to year, without plan, under the influence of temporary preferences.

Undergraduates who intend to study Engineering are advised to consult the Dean of the Lawrence Scientific School with reference to the best courses for them to take in College. To those who intend to study Medicine, the Medical Faculty recommends Natural History, Chemistry, Physics, French, and German. To those who intend to study Law, the Law Faculty recommends Latin, French, Themes and Forensics, Elocution, Oral Discussion, Rhetoric, Logic, Ethics, Political Economy, Constitutional and Legal History and the History of Institutions, International Law, and Roman Law.

SCALES OF SCHOLARSHIP.

At the end of every academic year the standing of a student in each of his courses is expressed, according to his proficiency, by one of five grades, designated respectively by the letters *A*, *B*, *C*, *D*, *E*.

A student who has failed in a course is assigned to Grade *E*. Notice of such failure is sent by the Dean to the student's father or guardian.

In each course the names of those students who have attained Grade *A*, or Grade *B* are printed, the names for each grade being arranged in alphabetical order; and these lists are sent to the father or recognized guardian of each student. If a student has fallen below Grade *B* in any study, his grade is reported to his father or guardian.

Every student is required to satisfy the Instructor in each of his courses, in such way as the Instructor may determine, that he is performing the work of the course in a systematic manner. The Instructor will provide tests, with sufficient frequency to give effect to this regulation, and will

report at once to the Dean the names of any students who have not satisfied him that they are doing their work systematically.

Any Instructor, with the approval of the Dean, may at any time exclude from his course a student who in his judgment has neglected the work of the course. Such exclusion shall be reported to the Administrative Board at its next meeting.

A student who has been excluded from one or more courses may be required to place himself under the direction of a person approved by the Dean.

DEGREE OF BACHELOR OF ARTS.

No student will be recommended for the degree of Bachelor of Arts until he has passed in all prescribed studies and in the requisite number of elective courses; and has moreover stood above Grade *D* in at least one fourth of all his college work.

Any student who has not complied with the requirements for a degree before the end of his college course may be recommended for a degree in any subsequent year, when he shall have made up all deficiencies in his record.

DEGREE WITH DISTINCTION.

A student recommended for the degree of Bachelor of Arts may be recommended either for an *ordinary* degree or for a degree *with distinction* in one of three grades.

Any member of the graduating class who has attained Grade *C* or a higher grade in *eighteen* courses or their equivalent will be recommended for a degree with distinction on the following conditions:—

If he has attained Grade *A* in *fifteen* courses or their equivalent, or has received Highest Honors in any department, he will be recommended for a degree *summa cum laude*;

If he has attained Grade *A* in *nine* courses or their equivalent, or Grade *A* or *B* in *fifteen* courses or their equivalent, or has received Honors in any department, he will be recommended for a degree *magna cum laude*;

If he has attained Grade *A* or *B* in *nine* courses or their equivalent, or has received Honorable Mention *twice*, he will be recommended for a degree *cum laude*.

The reason for the grade of distinction in the degree is stated in the diploma; if two reasons exist, both are stated.

A Commencement Part is assigned to every student recommended for a degree with distinction.

HONORS.

SECOND-YEAR HONORS IN CLASSICS, IN MATHEMATICS, AND IN PHYSICS.

Second-Year Honors of two grades — *Honors* and *Highest Honors* — are awarded by the Faculty of Arts and Sciences, on the recommendation of special committees of examiners; and the award is printed with the annual Rank Lists and in the University Catalogue. These Honors are open to Sophomores, Juniors, and Seniors; they are open to Freshmen by special permission only.

No one may be a candidate at graduation for Final Honors (see p. 174) in Classics*, Mathematics, or Physics who has not taken Second-Year Honors in the same department; and no one may be a candidate for Honors in Sanskrit who has not taken Second-Year Honors in Classics.

Candidates for Second-Year Honors are required to register their names at the Dean's office as early as *the first day of April* of the year in which they present themselves for examination. Candidates for Honors in Classics will designate at the same time which elective courses they intend to offer in order to make up the number required.

I. CLASSICS.

Second-Year Honors in *Classics* are awarded on two conditions: (1) distinguished excellence in classical studies amounting to *four courses*; (2) distinction in a special examination. The special examination tests

(a) The candidate's ability to translate Greek and Latin at sight. (The passages set for this purpose are taken from the following writers only: Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Thucydides, Herodotus, Xenophon, Lysias, Plato, Demosthenes; Terence, Catullus, Virgil, Horace, Tibullus, Propertius, Ovid, Caesar, Cicero, Nepos, Sallust, Livy, Velleius Paterculus, Tacitus.)

(b) His ability to write Greek and Latin prose.

(c) His knowledge of Greek and Roman history, antiquities, and mythology; of Greek and Roman literary history, so far as relates to the writers named above; and of Greek and Latin Grammar.

This special examination is held near the end of the academic year.

* For an exception in the case of Classics, see p. 175.

II MATHEMATICS.

Second-Year Honors in *Mathematics* are awarded on two conditions : (1) distinguished excellence in such mathematical courses as may be approved for candidates for these honors ; (2) distinction in a special examination, which may be extended to cover the whole mathematical knowledge of the candidate. The special examination is held near the end of the academic year.

The courses regularly approved for candidates for Second-Year Honors in Mathematics are :—

Courses *A* and *E*, or the corresponding admission examinations ; Course *D* (*advanced section*) ; Course *C* ; Course 2 ; and Course 3, Course 5, or Course 6.

Substitutions for the above courses may be allowed on special petition.

III. PHYSICS.

Second-Year Honors in *Physics* are awarded on two conditions : (1) distinguished excellence in two full elective courses in Physics and the equivalent of one other elective course either in Physics or in Mathematics ;* (2) distinction in a special examination in the principles of Physics, the absolute system of physical measurement, and the elementary principles of Plane Trigonometry.

HONORS AT GRADUATION (FINAL HONORS).

Honors of two grades — *Honors* and *Highest Honors* — are awarded by the Faculty of Arts and Sciences with the degree of Bachelor or Master of Arts for great proficiency in any of the following subjects : Semitic Languages and History ; Sanskrit ; Classics ; English ; Modern Literature ; Philosophy ; Political Science ; History ; Music ; Mathematics ; Physics ; Chemistry ; Natural History.

The qualifications required for Honors in these subjects respectively are as follows :—

In *Semitic Languages* the candidate must have taken the equivalent of five courses, and must also have performed such additional work as may be required of him.

In *Sanskrit* the candidate must have received Second-Year Honors in Classics, and must have taken the three courses in Sanskrit and one of the following : a course in Comparative Philology ; Philosophy 8 ; the course in Pali.

* The Advanced Physics of the examination for admission may be substituted for a full course in Physics.

In *Classics* the candidate must have taken the equivalent of six courses (he may count among the six one course in Sanskrit); must be able to read ordinary Greek and Latin at sight and to write Greek and Latin prose; and must have taken Second-Year Honors in Classics: but students admitted to college as Seniors may, through the recommendation of the instructors in Classics on the evidence of good work done elsewhere, be excused from the examinations for Second-Year Honors.

In *English* the candidate must have taken elective work amounting to six courses, one of which must be a course in writing English. After 1891-92, if he has not taken English 3¹ (see p. 68), he must give evidence of his ability to read ordinary Anglo-Saxon prose. An oral examination and a thesis will be required.

In *Modern Literature* the candidate must be able to read French and German with facility at sight, and must have taken two elective courses, or their equivalent, in English, two in German, and two in French. These he may choose from among the following: In English, 1, 2, 7, 8, 9, 11, 14, 15, 16, 17, 20; in German, 2, 3, 4, 5, 6, 7, 8, 20; in French, 6, 7, 8, 9, 10, 11, 12, 13, 20. Course 3 or 4 in Italian, or Course 3 in Spanish, may be substituted for any French or any German course above-mentioned; but no substitution will be allowed for English. A thesis will be required of each candidate, and an oral examination will include a thorough examination in the works of some author to be determined with the approval of the committee of examiners.

In *Philosophy* the requirements are as follows:—

1. The candidate must have passed with distinction in Course 1, in one Systematic Course, and in two others chosen from the advanced courses in Philosophy or from the Additional Courses of p. 11 of the Programme of the Philosophical Department; and he must have passed creditably in two courses selected from the list of Auxiliary Subjects (*ib.* p. 12).

2. He must pass a special examination in the outlines of the history of Modern Philosophy.

3. Either by special examination or by thesis, he must show a thorough acquaintance with the work of two philosophers, ancient or modern, whose lives were separated from one another by a considerable interval of time.

4. To prove his philosophic power, he must write at short notice a thesis on a topic drawn from that one of the Systematic Courses which he himself selects.

[Candidates who have studied at other colleges may present equivalents for half the courses here prescribed.]

In *Political Science* the candidate must have taken the equivalent of six courses, selected from the following: the course in Roman Law; the

courses in History numbered 11, 12 (Modern History of Europe), 13 (Constitutional History of the United States), 15 (International Law), and the courses in Modern History, Constitutional Law, and International Law, designed primarily for graduates. But one of the courses must be in Political Economy; one must be in Constitutional Law (History 13 or a graduate course); and one in Jurisprudence (Roman Law or International Law).

The examination for Honors in Political Science is oral, and is held in June.

In *History* the candidate must have taken six courses; but he may count among the six one in Political Economy and one in Roman Law.

In *Music* the candidate must have taken five courses, and must also pass an examination in Acoustics.

In *Mathematics* the candidate must have received Second-Year Honors in Mathematics, must in addition have taken four advanced courses, and must also present a satisfactory thesis.

In *Physics* the candidate must have received Second-Year Honors in Physics, and must in addition have taken three advanced courses in Physics, and one other advanced course either in Physics or in Mathematics (the latter not being counted for Honors in Mathematics). He must present a satisfactory thesis, and pass an examination in General Physics.

In *Chemistry* the candidate must have taken five courses, and must pass an examination in Chemical Philosophy.

In *Natural History* the candidate must have taken six courses; but he may count Course 2 in Chemistry for one course in Natural History. Advanced work in the Summer School of Geology may be counted toward Honors as equivalent to Course 20b.

Every candidate for Honors in Natural History must give notice of his candidacy to the Chairman of the Division of Natural History, on or before the first day of March in his Sophomore or Junior year.

In every case the candidate must pass with distinction the regular examinations in the courses required of him; must pass, near the close of the Senior year, a special examination, conducted by a committee of the Faculty, to test the range and accuracy of his knowledge of the subject in which he offers himself for Honors; and must present such theses as may be called for.

Students who have failed to pass with distinction any of the examinations required for Honors may, with the consent of the Faculty, make up their deficiencies by passing such additional examinations as may be required of them; but no such permission will be granted for failures occurring after the beginning of the Senior year.

Honors, however, will be given to graduates not entitled to them at graduation who shall have complied with all the requirements for Honors within two years after graduation.

Every student who wishes to be regarded as a candidate for Honors at graduation must present a written application to the Dean of the College before the *first day of November* in his Senior year; but a candidate for Honors in Natural History must give notice as stated above (p. 176) as early as the first day of March in his Sophomore or Junior year. No application will be granted without the recommendation of the instructors in the Department or Division concerned.

HONORABLE MENTION AT GRADUATION.

Members of the graduating class may receive Honorable Mention, on the Commencement programme and in the next following Annual Catalogue, in one or more of the following studies: Semitic Languages; Sanskrit; Greek; Latin; English; English Composition; German; French; Italian and Spanish; Romance Philology; Philosophy; Political Economy; History; Fine Arts; Music; Mathematics; Physics; Chemistry; Natural History; Engineering. The usual ground of Honorable Mention in any study will be the attainment of Grade *A* or *B* in elective work (not elementary) in that study, amounting to *three courses*. The Faculty, however, reserve the liberty of considering individual cases on their merits, and departing from the strict application of the foregoing rule. If a student earns Honorable Mention *twice* in any study, the fact is stated.

The following special regulations have been adopted:—

Greek. The count must include Course 6, 8, or 9. Courses *A*, *B*, *C*, *D*, *E*, and *F* cannot be counted.

Latin. Courses *A*, *B*, *C*, *D*, *E*, and *F* cannot be counted.

English Composition. English *A*, may be substituted for one elective course; English *B* and *C* may together be substituted for one elective course: but no thesis substituted for a forensic will be counted for Honorable Mention unless approved by the Department of English.

German. Courses *B*, *C*, 1*a*, 1*b*, 1*c*, and *F* cannot be counted.

French. Of Courses 1*a*, 1*b*, and 2, only one may be counted. Course 4 cannot be counted.

Italian and Spanish. Neither Italian 1 nor Spanish 1 may be counted.

History. Courses 1 and 2 cannot be counted.

Mathematics. The count must include Course 5, 6, or 8. Courses *A*, *B*, *C*, *D*, and *E* cannot be counted.

Physics. Course *B* cannot be counted. Of Courses *C* and 1, only one may be counted.

Chemistry. Courses *B* and *2a* cannot be counted. Of Courses 1 and 2, only one may be counted.

Natural History. The count must include Botany 3, Zoölogy 3, or Geology 8.

No course will be counted for Honorable Mention in more than one department.

PRIZES.

I. DETURS.

Meritorious students of one year's standing may receive books called *Deturs*. Seniors and Juniors may receive *Deturs* if, since the Freshman Year, they have shown decided improvement in scholarship. The distribution is made near the beginning of the Academic Year, from the income of the Hopkins Foundation.

II. BOWDOIN PRIZES.

Nine prizes, from the foundation of James Bowdoin, are offered by the Faculty of Arts and Sciences to students resident at the University.

I. Two prizes (*one hundred dollars each*) for the best dissertations on any of the subjects enumerated in II., III., and IV., or for the best translation of either of the passages proposed for translation into Latin or Greek in III. (b), written by Graduates of any college who are resident at the University as students in the Graduate School, or by members of the Senior Class of 1891-92 in Harvard College.

II. Three prizes (not more than *one hundred dollars* nor less than *fifty dollars each*) for the best dissertations on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree:—

1. *The political conditions of the Reformation in Germany.*
2. *Macchiavelli as a political philosopher.*
3. *The political influence of the Speaker of the House of Representatives.*
4. *Is public ownership and management of Municipal Monopolies advisable?*
5. *The future of the Southern Negro as a citizen.*
6. *Is there a science of Education?*
7. *The notion of Unconscious Mental Life in the light of the most recent psychological inquiry.*

III. (a) One prize (not more than *one hundred dollars* nor less than *fifty dollars*) for the best dissertation on any of the following subjects,

written by students of more than one year's standing in any department of the University who have never received an academic degree : —

1. *Country Life in Ancient Greece.*
2. *Literary Criticism at Athens in the 5th and 4th centuries B.C.*
3. *The Life and Character of Titus Pomponius Atticus.*
4. *A Criticism of the style of Tacitus.*
- 5. *Ancient Roman Villas and the Life in them.*
6. *Claudius Claudianus and the Pagan Literary Reaction of the 5th century A.D.*

(b) One prize (not more than *one hundred dollars* nor less than *fifty dollars*) for the best translation of either of the following passages, written by students of more than one year's standing in any department of the University who have never received an academic degree : —

1. *A translation into Greek of Bunyan's Pilgrim's Progress, Part I., last nine paragraphs, beginning, "The talk that they had."*
2. *A translation into Latin of the last four paragraphs of Henry Clay's speech on the Compromise Act, Feb. 25, 1833, beginning, "This or some other measure of conciliation."*

IV. Two prizes (not more than *one hundred dollars* nor less than *fifty dollars each*) for the best dissertations on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree : —

1. *The present state of the art of protecting buildings from lightning.*
2. *Fermentation.*
3. *Alternation of generations in plants and animals.*
4. *The origin of variations in organism.*
5. *The iron ore deposits of the United States.*
6. *The natural history of rivers.*

Dissertations offered by *Seniors* of 1891-92 must be deposited with the Dean of Harvard College on or before Commencement, 1892. All other dissertations for these prizes must be deposited with the Dean of Harvard College on or before the *first day of November*, 1892. On the title-page must be written an assumed name and a statement of the writer's standing, — *i. e.*, whether he is a graduate or an undergraduate; if an undergraduate, to what class he belongs and to what department of the University. Under cover with the dissertation must be sent a sealed letter containing the true name of the writer, and superscribed with his assumed name.

The dissertations must be written upon letter paper of good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound up without injury to the writing. The sheets on which the dissertation is written must be securely stitched together.

The dissertations must not contain more than 10,000 words.

The authors of successful dissertations are invited to read them in public at a place and a time to be designated by the Dean.

III. THE CHAUNCEY WRIGHT PRIZE.

A prize of *twenty-five dollars* is offered from the income of the Chauncey Wright Fund for the best mathematical thesis on a subject or subjects announced by the Faculty of Arts and Sciences.

At the request of the founder of the fund the subject for the present year is : "*A critical examination of a certain geometrical construction with a view to testing its value as a solution, exact or approximate, of the problem with which it deals.*"

The construction together with the author's description of it may be obtained of Professor B. O. PEIRCE, Jefferson Physical Laboratory, Room 38.

Persons who pursue regular courses of study at the University during the year 1891-92, as Juniors, Seniors, or Graduates, may compete for this prize.

The theses must be deposited at the Secretary's office on or before the *first day of November, 1892*. In every case the writer must inscribe an assumed name on the title-page. Under cover with the thesis must be sent a sealed letter, superscribed with the assumed name of the writer, and containing the true name.

IV. THE DANTE PRIZE.

IN MEMORIAM CHARLES STERRETT LATHAM.

The prize offered for 1889-90 was awarded to Mr. C. S. Latham, of the Class of 1884, A.B. 1888, for a translation of the Letters of Dante with a historical and critical comment. Mr. Latham died on July 21, 1890. He did not live to learn the award of the prize.

In accordance with the desire of his mother, the prize adjudged to him of one hundred dollars is now offered again to be competed for. The competition is open not only to the students in any department of Harvard University, and to Harvard graduates of not more than three years' standing, but also to students and graduates of similar standing of any college or university in the United States.

The annual prize of *one hundred dollars* offered by a member of the Dante Society for the best essay by a student in any department of the University, or by a graduate of not more than three years' standing, on a subject drawn from the Life or Works of Dante, is withdrawn for the present, but the offer will be renewed after the award of the Latham prize.

For the year 1891-92, the subjects proposed are as follows:—

1. *The result of the critical studies of the text of the Divina Commedia by Witte, Moore, and Täufer.*
2. *The indebtedness of Dante to Brunetto Latini, as indicated by passages or references in the Divine Comedy and the Convito that may have been derived from, or suggested by, passages in the Trésor and the Tesoretto.*
3. *The rise of the dolce stil nuovo and its development up to the time of Dante.*
4. *The personal character of Dante as learned from his writings.*

Essays must be deposited with the Dean of Harvard College on or before the *first day of May*, 1892.

For the year 1892-93 the subjects proposed are as follows:—

1. *A comparison of Dante's system of sins in Hell and Purgatory, and an explanation of its apparent differences in the two realms.*
2. *Who was the Matilda of the Earthly Paradise, and what is her allegorical and symbolical character?*
3. *The acquaintance of English writers from Chaucer to Gray with the Divine Comedy.*

Essays must be deposited with the Dean of Harvard College on or before the *first day of May*, 1893.

Essayists are at liberty to write on any one of the subjects which have been proposed for the six years during which this prize has been offered.

On the title-page must be written an assumed name and a statement of the writer's standing, — *i. e.*, whether he is a graduate or an undergraduate; if an undergraduate, to what class he belongs and to what department of the University. Under cover with the dissertation must be sent a sealed letter containing the true name of the writer, and superscribed with his assumed name.

The dissertations must be written upon letter paper, of good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound up without injury to

the writing. The sheets on which the dissertation is written must be securely stitched together.

The judges of the essays are a committee of the Dante Society.

In case the judges decide that no essay submitted to them deserves the full prize, they are at liberty to award one or two prizes of fifty dollars, or to award no prize.

V. THE SARGENT PRIZE.

A prize of *one hundred dollars*, the gift of John Osborne Sargent, of the class of 1830, is offered —

For the best metrical version of the sixteenth Ode of the third Book of Horace.

Undergraduates in Harvard College, and students of the Society for the Collegiate Instruction of Women, may compete for this prize. The prize may be withheld if no competitor appears to deserve it.

The versions must be neatly and legibly written upon letter paper of good quality, of quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side; and the sheets must be securely stitched together. They must be deposited in the office of the Dean of Harvard College on or before the *first day of May*, 1892. Each version must have inscribed upon its title-page an assumed name of the writer, and must be accompanied by a sealed envelope containing the writer's real name and superscribed with the assumed name.

VI. THE GEORGE B. SOHIER PRIZE.

Mr. Waldo Higginson of the Class of 1833 has given a sum to found a Prize in memory of his brother-in-law, George B. Sohier of the Class of 1852. This prize is known as the George B. Sohier Prize. The endowment is for "one prize of \$250 for the best thesis presented by a successful candidate for Honors in English or in Modern Literature. If no thesis is deemed worthy of a prize, no prize will be given." "The competitors may be either, (1) undergraduates in Harvard College (2) Harvard graduates who are resident at the University as students in the Graduate School, or (3) students pursuing courses of instruction in Cambridge under the direction of the Society for the Collegiate Instruction of Women."

VII. PRIZES FOR STUDENTS OF SEMITIC LANGUAGES.

The sum of \$200 has been given by Rev. Dr. A. P. Peabody and the sum of \$250 by Mr. Jacob H. Schiff for the encouragement of the study of Semitic Languages in the academic year 1891-2.

This money will be given in prizes to students taking elective courses in Semitic Languages, and will be distributed as follows :—

In Semitic 1 (Hebrew 1), four prizes, of \$20, \$25, \$30 and \$35.

In Semitic 2 (Hebrew 2), two prizes, of \$35 and \$40.

In Semitic 3 (Aramaic), two prizes, of \$30 and \$35.

In Semitic 4 (Assyrian 1), two prizes, of \$30 and \$35.

In Semitic 5 (Assyrian 2), one prize, of \$35.

In Semitic 7 (Arabic 1), two prizes of \$30 and \$35.

In Semitic 8 (Arabic 2), one prize of \$35.

These prizes will be awarded only in case a high degree of excellence is attained; and any prize offered in one class, may, if this condition is not fulfilled, be transferred to another.

VIII. PRIZES FOR STUDENTS OF ETHICS.

The sum of \$200 has been received from Robert Treat Paine of the Class of 1855, for two prizes of \$100 each "for the best essays by any students of the University on the ethical aspect of the modern social questions."

IX. BOYLSTON PRIZES FOR ELOCUTION.

The Boylston Prizes for Elocution are awarded to Seniors and Juniors at a public competition on the second Thursday in May. The students speak, not their own compositions, but selections from English, Greek, or Latin authors; the proportion in English is to be at least two out of three. The selections must be approved by the Boylston Professor of Rhetoric and Oratory.

The competitors must enter their names with the Boylston Professor *before the last Thursday of April*. No application will be received after that time.

The Corporation, and gentlemen selected by the Corporation, will act as judges, and award the prizes as follows :—

Two First Prizes, of *sixty dollars* each; and three Second Prizes of *forty-five dollars* each. The First Prizes may be withheld if none of the competitors appear to deserve them.

At this exhibition, no prompting of the speakers will be allowed; and a failure of memory will exclude a competitor from consideration in the assignment of the Prizes.

X. THE TOPPAN PRIZE.

XI. THE SUMNER PRIZE.

For a statement of the conditions of the *Toppan Prize* and the *Sumner Prize*, see the Announcement of the Graduate School.

PECUNIARY AID.

Experience proves that not many good scholars of high character are obliged to leave College for want of money. Many students find considerable income as private tutors; some support themselves in part by writing for the public press; some by singing. Loans from private sources are not uncommon; and the College aids students by means of its endowed scholarships, beneficiary funds, and loan funds. This year the aid from College funds will amount to about \$50,000.

SCHOLARSHIPS.

The scholarships which may be assigned to undergraduates number one hundred and twenty-nine, yielding in the aggregate \$31,095. Two of these scholarships, of an annual value of three hundred dollars each, and one, of an annual value of one hundred and fifty dollars, may be assigned to special students; and a limited number (twenty to thirty) may be assigned to members of the Graduate School. The annual income of the scholarships varies from sixty to four hundred dollars, the average amount being about two hundred and fifty dollars. Nearly all are awarded by the Corporation on the recommendation of the Faculty of Arts and Sciences or of the President. The facts considered in making an assignment are the needs of the student, and his promise *as indicated by his work in College*. A student who is not in need of aid cannot honorably apply for a scholarship; a scholarship cannot properly be awarded to one who, from physical, mental or moral weakness, gives little promise of future usefulness. The special terms under which some scholarships are assigned are stated below.

Scholarships are awarded to Sophomores, Juniors, and Seniors before the beginning of each academic year, on the basis of the work of the preceding year; and the income is paid in three instalments—January, April, and June.

For the assignment of Price Greenleaf Aid to Freshmen and other undergraduates in their first year, see p. 194.

Scholarships are ordinarily assigned only on the basis of *a previous year of work in College*. The enjoyment of a scholarship for one year will not constitute any title to a second nomination, unless the superiority for which it was originally awarded be fully maintained. No student who has incurred a serious college censure in the course of the year will be considered a candidate for a scholarship; nor any student who obtains leave of absence for the year in which the scholarship would be payable.

Applications of College students for scholarships should be addressed to the *Dean of Harvard College*, and must be deposited in the box at No. 5 University Hall on or before the *last Wednesday in May* of each year. When a candidate applies for the first time, he must give a particular statement of his circumstances, supported by the written testimony of one or more reputable persons to whom he is known; and every subsequent application must affirm the continuance of these circumstances, or state in what respects they have changed.

Aid from the Price Greenleaf, Beneficiary, and Loan Funds must be applied for in special and separate petitions.

A detailed list of the scholarships, arranged in alphabetical order, follows:—

ABBOT SCHOLARSHIP, with an income of one hundred and fifty dollars. A fund of two thousand dollars, contributed by persons educated at Phillips Exeter Academy, was established in 1852 in memory of Dr. Benjamin Abbot. The income of this fund is payable to such needy undergraduate as may be selected by the Faculty for scholarship and good character; descendants and other relations of Dr. Abbot and the best scholars from said Academy are to be preferred in the order named.

ALFORD SCHOLARSHIP. In 1785 Mrs. Joanna Alford of Charlestown made a bequest of one hundred and thirty three pounds, six shillings, and eight pence, the income from which is to be appropriated to the education of students in indigent circumstances. This fund is to accumulate for the present.

BARTLETT SCHOLARSHIP, with an income of two hundred and fifty dollars, from a bequest of five thousand dollars by Dr. Henry Bartlett of Roxbury, of the Class of 1820, "to found and establish a Scholarship, the income duly to be used in aid of meritorious undergraduates who may require such assistance."

BASSETT SCHOLARSHIPS. Three, with an income of ninety dollars each. Francis Bassett of Dennis bequeathed in 1876 five thousand dollars, the income of which is payable equally to three undergraduates, one of the Sophomore, one of the Junior, and one of the Senior Class, to be selected by the Faculty, and to stand above the medium rank in their respective Classes.

BIGELOW SCHOLARSHIPS. Two, with an income of two hundred and fifty dollars each. The sum of ten thousand dollars was received in 1865 as the bequest of Tyler Bigelow of Watertown, the income thereof to be given to indigent undergraduates selected by the Corporation with reference to habits of industry and earnest effort, and without regard exclusively to rank.

BOWDITCH SCHOLARSHIPS. Twenty, with an income of two hundred and fifty dollars each, founded in 1860 by Nathaniel Ingersoll Bowditch of Boston, and to be distributed by the President equally among the several Classes to poor and deserving students according to their rank or self-improvement.

BRIGHT SCHOLARSHIPS. Five, with an income of two hundred dollars each. Established in 1880 under the will of Jonathan Brown Bright of Waltham, with one half the income of the Bright Legacy. Descendants of Henry Bright, Jr., of Watertown, Mass. (died 1686), who may be students in any department of Harvard University, are entitled to enjoy these scholarships; such descendants failing, other students are eligible, provided they are undergraduates.

BROWNE SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded by William Browne of Salem and his descendants. In 1687 William Browne, first, bequeathed to the College one hundred pounds, to be improved for the bringing up of poor scholars. In 1708 Benjamin Browne bequeathed two hundred pounds for the same purpose, giving the preference to Salem scholars. In 1716 Major William Browne, second, brother to Benjamin, bequeathed one hundred pounds, the income to be used to help support his descendants while students at the College; if none there, then to help maintain poor scholars from Salem. In 1720 Colonel Samuel Browne gave one hundred and fifty pounds for the same purpose; and added to this gift by his will, in 1731, his estate in Hopkinton, the income therefrom to be used for bringing up poor scholars, those recommended by his posterity to be preferred.

RULUFF STERLING CHOATE SCHOLARSHIP, with an income of three hundred dollars. Founded in 1884 by Joseph H. Choate of New York. The income is to be paid to "some meritorious student in the undergraduate department of the University who shall require the same."

SCHOLARSHIP OF THE CLASS OF 1802, with an income of three hundred dollars. The class fund of six thousand dollars was received by the College in 1870. The income of the fund is to be used to aid such needy descendants of the members of the Class as may be students at the College, and other needy and meritorious students.

SCHOLARSHIP OF THE CLASS OF 1814, with an income of one hundred and twenty-five dollars. In 1853 this Class raised by subscription a fund of two thousand three hundred dollars, the income of which is to be paid to some meritorious undergraduate holding a respectable rank as a scholar, preference to be given to descendants of members of said Class.

SCHOLARSHIP OF THE CLASS OF 1817, with an income of one hundred and fifty dollars. This Class founded a scholarship in 1864; to be awarded to some meritorious undergraduate of respectable standing as a scholar, but without special reference to academic rank; and descendants of members of the Class are to have the preference as applicants.

SCHOLARSHIP OF THE CLASS OF 1828, with an income of one hundred and fifty dollars. The class fund of twelve hundred and ninety-four dollars was received by the College in 1882, and eleven hundred and ninety dollars and forty-three cents additional in 1889. The income of the fund is to be expended in aid of one or more poor and honest hard-working students connected with the College in any way, but under its guidance, though they may not be of the finest talent or highest college rank; preference to be given to descendants of members of the Class who meet all the above-stated conditions.

SCHOLARSHIP OF THE CLASS OF 1835. Founded in 1865 by the Class of 1835 for the benefit of meritorious young men, whether descendants of members of the class or otherwise. This fund is to accumulate for the present.

SCHOLARSHIP OF THE CLASS OF 1841, with an income of two hundred dollars. The class fund of two thousand dollars was received in 1871. The sum of one thousand dollars was added to it anonymously in 1876 by a member of the class, and the sum of two hundred dollars in 1884 by the Class Secretary, Dr. Minot. The income is to be paid to some one deserving undergraduate; descendants of members of the class to have the preference as candidates.

SCHOLARSHIPS OF THE CLASS OF 1856. Two, with an income of three hundred dollars each. In 1885 David Pulsifer Kimball of the Class of 1856 gave railroad bonds to the amount of ten thousand dollars for the establishment of two or more scholarships to be known as Scholarships of the Class of 1856, the income to be used "in the discretion of the Faculty to aid two or more undergraduates needing pecuniary assistance in obtaining an education at Harvard College."

SCHOLARSHIP OF THE CLASS OF 1867. Founded in 1886 by Samuel Hoar, Esq., not yet available, except for sons of members of the Class of 1867.

CROWNINSHIELD SCHOLARSHIPS. Two, with an income of two hundred dollars each, from a bequest of five thousand dollars made by Francis B. Crowninshield in 1877. These scholarships, when vacant, are to be assigned by the Corporation, after public notice, to Freshmen, who shall hold them during their whole undergraduate course, subject to removal by the Corporation at any time.

WARREN H. CUDWORTH SCHOLARSHIPS. Mrs. C. M. Barnard offers to provide annually at present for two scholarships of three hundred dollars each in memory of the late Rev. Warren H. Cudworth, "for poor and meritorious students in Harvard College, whether candidates for a degree or not," students from Lowell and from East Boston to be preferred.

DANA SCHOLARSHIP OF THE CLASS OF 1852, with an income of two hundred dollars, from a bequest of nineteen hundred and seventy-four dollars and twenty-eight cents by Mrs. Ann F. Schaeffer, in memory of her son, Charles F. Dana. The income is to be paid to needy and deserving students.

GEORGE AND MARTHA DERBY SCHOLARSHIP, with an income of two hundred and fifty dollars; founded by Miss Martha C. Derby in 1881.

WILLIAM SAMUEL ELIOT SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded in 1875 by Samuel Eliot of Boston in memory of his son. The income of the gift of five thousand dollars is payable by preference to a student taking a Greek elective, if any such be needy; otherwise, to any student or students at the discretion of the Dean.

FARRAR SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded by Mrs. Eliza Farrar of Springfield in memory of her husband, Professor John Farrar. The income of her bequest of five thousand dollars, made in 1870, is for the aid of one meritorious undergraduate.

RICHARD AUGUSTINE GAMBRILL SCHOLARSHIP, with an income of four hundred dollars. Founded in 1890 by Mrs. Anna Van Nest Gambrill, of New York, in memory of her husband, Richard Augustine Gambrill, a graduate of the College of the Class of 1872, and of the Law School. The beneficiary must be an undergraduate of the College who will be benefited by such assistance, but he need not be absolutely dependent upon it for his ability to remain in College.

CHARLES HAVEN GOODWIN SCHOLARSHIP, with an income of three hundred dollars. Founded in 1889 by Professor William W. Goodwin in memory of his son, a graduate of the Class of 1888. This scholarship is to be assigned at or near the beginning of each academic year to some deserving student who will be benefited by it, but not necessarily to one who is dependent upon such assistance for the ability to remain at the University. The beneficiary must be approved by the Senior Professor of Greek and the Senior Professor of Latin in the University; and he must be either a student in the highest class in Harvard College who is distinguished for his scholarship in Greek and Latin, or a graduate of Harvard College who has distinguished himself there in classical scholarship and is a student of classical philology in the Graduate School of the University.

BENJAMIN D. GREENE SCHOLARSHIP. Founded in 1860 by Benjamin D. Greene of Boston, who bequeathed one thousand dollars to the College "to establish a scholarship for a poor scholar, the appointment thereto to be vested in the President for the time being." This fund is to accumulate for the present.

PRICE GREENLEAF SCHOLARSHIPS. Ten, with an income of three hundred dollars each, established in 1887 under the will of E. Price Greenleaf of Quincy. The will provides that "a sum equal to, but not exceeding, three thousand dollars a year, shall be divided into shares of three hundred dollars each, and each of said shares shall be paid in each year to an undergraduate, who, by reason of insufficient means, shall be unable to pay the expenses necessarily incurred in pursuing his studies as a member of the Academic Department of the College. In the selection of the ten students, preference is to be given to those who by industry, good conduct, and zealous effort shall be deemed by the President and Dean of the College to be meritorious students, and entitled to encouragement and support; it being, however, my wish that said money should not be awarded to any student solely by reference to his rank or standing as a scholar, but that regard should also be had to earnest and honest endeavor to attain excellence."

LEVINA HOAR SCHOLARSHIP, with an income of two hundred and fifty dollars. From a bequest of Miss Levina Hoar of Lincoln, in 1876, for the benefit of needy and meritorious students; preference always to be given to those from the town of Lincoln, in Massachusetts.

HODGES SCHOLARSHIP, with an income of two hundred dollars, from a gift of five thousand dollars by Richard Manning Hodges in 1878. The income is to be given "to a meritorious student, without pecuniary means, in the Senior Class."

HOLLIS SCHOLARSHIP, with an income of two hundred dollars. Founded by Thomas Hollis of London in 1722, and his brother, Nathaniel Hollis, in 1732, for the benefit of pious young students designed for the ministry, and who may be needy and deserving.

KIRKLAND SCHOLARSHIP, with an income at present of two hundred dollars; founded in 1852 by the Class of 1815 in memory of President Kirkland. The income of the fund is to be applied at the discretion of the Corporation; descendants of members of said Class to have the preference as beneficiaries.

GEORGE EMERSON LOWELL SCHOLARSHIPS. Two, with an income at present of two hundred dollars each. Founded in 1886 by Judge Lowell, for the academic department, and excellence either in the classics or in athletics to be considered as one of the desirable qualifications for candidates.

MATTHEWS SCHOLARSHIPS. Fifteen, with an income of three hundred dollars each. Founded by Nathan Matthews of Boston in 1870. The income of the fund is for the aid of needy and deserving scholars; those intending to study for the ministry of the Protestant Episcopal Church to be preferred. A portion of the Matthews Scholarships may be assigned in advance to students admitted to the Senior class who intend to study for the ministry of the Protestant Episcopal Church, provided they present satisfactory evidence of high scholarship.

WILLIAM MERRICK SCHOLARSHIP, with an income at present of two hundred dollars. Founded in 1888 from a bequest of William Merrick, the income to be paid to some meritorious undergraduate, descendants of the members of the Class of 1870 to have the preference.

MOREY FOUNDATION. One scholarship, with an income of three hundred dollars, from a bequest of George Morey of Boston in 1866, of which the income is to be awarded to undergraduates of satisfactory conduct and proficiency; the descendants of Rev. George Morey to have the preference.

PALFREY EXHIBITION, with an income of eighty dollars. In 1821 a fund of twelve hundred dollars was given by John Gorham Palfrey, the income of which should be granted annually to the most distinguished scholar among the indigent members of the Senior Class.

PENNOYER SCHOLARSHIPS. Four: two with an income of seventy-five dollars, and two with an income of sixty dollars each. In 1670 William Pennoyer of England gave an annuity from his estate in Norfolk for the benefit of two fellows and two scholars; one of the latter, as often as occasion shall present, to be of the posterity of Robert Pennoyer, and the other from New Haven Colony, if conveniently may be.

REBECCA A. PERKINS SCHOLARSHIP. From a bequest of Rebecca A. Perkins of Fitchburg, received in 1869, for the benefit of some worthy undergraduate needing aid, who must apply in writing to the President of the College, stating his need and sending a certificate thereof from some officer of the city or town where he resides. This fund is to accumulate for the present.

RODGER SCHOLARSHIP. Founded by Rev. James G. Rodger in 1883; not yet available.

HENRY BROMFIELD ROGERS SCHOLARSHIP, with an income of one hundred and fifty dollars. In accordance with the terms of the original gift, this scholarship has been created from the estimated value of the old Gymnasium given to the College by Henry Bromfield Rogers in 1859, and converted to other uses in 1883. The income is to be used for "the maintenance and education of deserving and talented undergraduates in indigent circumstances."

EDWARD RUSSELL SCHOLARSHIP. Founded in 1877 by Edward Russell of Boston. This fund is to accumulate for the present.

DOROTHY SALTONSTALL SCHOLARSHIPS. In 1733 Mrs. Dorothy Saltonstall of Boston bequeathed to the College three hundred pounds, "the interest thereof to be employed yearly forever for the benefit of two poor scholars, according to the discretion of the President and Fellows of the said College for the time being." The bequest was received in 1739. This fund is to accumulate for the present.

SALTONSTALL SCHOLARSHIPS. Two, with an income of one hundred dollars each, in the gift of the board of Overseers. In 1730 Madam Mary Saltonstall, widow of Gov. Gurdon Saltonstall of Connecticut, bequeathed to the College one thousand pounds, the income of which is to be given to two persons without means, of bright parts and good diligence (always dissenters), to fit them for the service of the Church of Christ; those related to the giver by consanguinity to be preferred. In 1845 Leverett Saltonstall of Salem added to this fund a bequest of five hundred dollars. By vote of the Board of Overseers this fund is to accumulate for the present.

JAMES SAVAGE SCHOLARSHIP, with an income of three hundred dollars. Founded by James Savage of Boston in 1873.

SEVER SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded by Colonel James Warren Sever of Boston, in 1868. The income from this fund is to be awarded to some meritorious undergraduate without exclusive reference to academic rank; applicants from Kingston and Plymouth are to have the preference.

SEWALL SCHOLARSHIPS. Two, with an income of two hundred dollars each. In 1696 Judge Samuel Sewall of Boston and his wife Hannah conveyed to the College a farm of five hundred acres at Petaquamscot in the Narragansett country, otherwise called King's Province; the income therefrom to be appropriated to the support and education of youths of insufficient means, those from Petaquamscot aforesaid, if any, to be preferred.

SHATTUCK SCHOLARSHIPS. Seven with an income of three hundred dollars each, and seven with an income of one hundred and fifty dollars each, from a bequest made by Dr. George Cheyne Shattuck of Boston, in 1847, for the benefit of needy persons of superior merit pursuing at the College the study of any language or languages, or of mathematics or any branch thereof.

SLADE SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded in 1877 by Dr. Daniel Denison Slade of Chestnut Hill, who gave for the purpose five thousand dollars, the income of which is payable to some meritorious young man who has been at least one year in the College; the benefactor's sons, if at any time candidates, to have the preference.

STORY SCHOLARSHIP. A gift of two thousand dollars was received in 1864 from Augustus Story of Salem, who directed that the income should be awarded by the President, without special reference to class rank, to such deserving applicant as might by his mental power, general character, and physical health, give the largest promise of usefulness. This fund is to accumulate for the present.

STOUGHTON SCHOLARSHIP. In 1701 Gov. William Stoughton bequeathed to the College twenty-three acres of pasture and a parcel of salt meadow in Dorchester, with the provision that the clear rent and income thereof should be given "in the first place to a scholar of the town of Dorchester, and if there be none such, to one of the town of Milton, and in want of such, then to any other well deserving that shall be most needy." This fund was created from rents for the pasture and receipts from the sale of the salt marsh, and is to accumulate for the present. .

THAYER SCHOLARSHIPS. Ten, with an income of three hundred dollars each. In 1857 John Eliot Thayer of Boston bequeathed to several persons named by him, in trust, the sum of fifty thousand dollars, to pay the income thereof to the ten most meritorious scholars in Harvard University who may actually need the same.

GORHAM THOMAS SCHOLARSHIP, with an income of two hundred dollars. In 1865 Dr. Alexander Thomas of Dorchester gave three thousand dollars, to found a scholarship in memory of his son, a graduate of the College.

TOPPAN SCHOLARSHIP, with an income of three hundred dollars. In 1868 Mrs. Ann Toppan of Portsmouth, N. H., bequeathed five thousand dollars to found a scholarship in memory of her husband, Christopher S. Toppan.

TOWNSEND SCHOLARSHIPS. Four, with an income of two hundred and fifty dollars each, and one, with an income of two hundred dollars, founded in 1861 by Miss Mary P. Townsend of Boston, by a bequest to the College of twenty thousand dollars, the income of which is to be used for the benefit of indigent scholars.

WALCOTT SCHOLARSHIPS. Two, with an income of one hundred dollars. Founded by Samuel Baker Walcott in 1855. The income of the fund, when not less than two hundred dollars, is to be divided equally between two needy and meritorious undergraduates, who are to be nominated by the Faculty and appointed by the President and Fellows.

WILLIAM WHITING SCHOLARSHIPS. Two, with an income of two hundred dollars each, founded in 1874 by William Whiting of Boston. For the benefit of deserving undergraduates of the College who need aid to defray their college expenses; preference being given to any of the descendants of the founder or of the Rev. Samuel Whiting, his first ancestor in America, who shall apply for, and shall be otherwise in the opinion of the Corporation proper persons to receive such assistance.

PRICE GREENLEAF AID.

The President and Fellows of Harvard College have been enabled by the recent bequest of EZEKIEL PRICE GREENLEAF to appropriate annually about \$15,000 "to reduce the general expenses necessarily incurred by undergraduates of the College in pursuing the studies required to obtain the degree of Bachelor of Arts, who are not of themselves, or with the aid of their parents, of sufficient pecuniary ability to pay for the same."

The income of the Price Greenleaf Fund is distributed, in sums of from \$100 to \$250 a year: *first*, to undergraduates in the first year of their residence (whether Freshmen or students admitted to advanced standing, with or without examination); *secondly*, to deserving students who have not succeeded in the competition for scholarships, and who have applied for Price Greenleaf Aid on or before the last Wednesday in May.

The regular assignment to first-year students is made before or at the time of their entrance. To secure such an assignment the applicant must be strongly recommended by the college, academy, or school with which he has been connected; and must see that his application is in the hands of the Secretary by the first day of May. A subsequent assignment is made in January to some other first-year students of high standing: applications must be in the hands of the Secretary by the fifteenth day of December.

In every case the amount assigned is payable (but only to persons who may be undergraduates at the time of payment) in three instalments, one at the time of presentation of each of the three term bills of the year.

The recipients of Price Greenleaf Aid may be called upon for service as monitors or assistants to an amount not exceeding four hours a week.

For blank forms of application, and information about necessary expenses, address the *Secretary of Harvard University*, Cambridge, Mass.

BENEFICIARY FUNDS.

Various other bequests and donations to the College have from time to time been made, the income of which is appropriated for the aid of deserving students in narrow circumstances. The annual amount thus appropriated is about two thousand dollars, which has usually been distrib-

uted in gratuities ranging from twenty-five to seventy-five dollars. Among these bequests is "The Munroe Fund" of fifteen thousand dollars, of which ten thousand one hundred and forty dollars have now been received by the College; in the bestowment of the income of this fund preference is to be given to natives, or children of citizens, of Concord, Mass.

Applications for aid from the Beneficiary Fund should be addressed to the Dean, by the student's parent or guardian, or by the student himself, if of age. The application should state particularly the circumstances of the case, with the reasons for asking aid.

LOAN FUND.

In addition to the Beneficiary Funds above mentioned, there is a Loan Fund, the interest of which, amounting annually to about twenty-five hundred dollars, is lent to meritorious students in the Sophomore, Junior, and Senior classes, in sums ranging from forty to one hundred dollars. This fund is under the control of a Board of Trustees, in Boston.

The applications for the Loan Fund should be left with the Dean of the College as early as *the first day of December*.

The Trustees of the Fund request applicants for loans to observe the following rules:—

"1. To address their applications to the Treasurer of the Loan Fund, George Wigglesworth, Esq., Boston, and give them to the Dean of the College.

"2. To state the amount they wish to borrow.

"3. To set forth their circumstances fully, as they would do on making application to an individual for like aid.

"4. To state what aid they have received, or expect to receive, from the College.

"5. If an applicant is under twenty-one years of age, his application must be accompanied by the written approval of his parent or guardian."

HENRY B. HUMPHREY FUND.

The Henry B. Humphrey Fund is a bequest of ten thousand dollars from Mrs. Pastora E. Humphrey. The income (four hundred and fifty dollars) is to be used "for the benefit—first, of any pupil or pupils applying for entry in said College from Thomaston, in Knox County, in the State of Maine; next, of any pupil or pupils from said Knox County; next, of any pupil or pupils from said State of Maine; next, of any pupils said College may deem proper."

EXPENSES.

The following table exhibits four scales of annual expenditure, — clothing, washing, and the expenses of the long vacation not being included: —

	Low.	Moderate.	Liberal.	Very liberal.
Tuition	\$150	\$150	\$150	\$150
Books and Stationery . .	25	35	45	61
Room	22	50	100	175
Furniture (annual average)	10	15	25	50
Board	114	152	152	304
Fuel and light	11	15	30	45
Societies and subscription to sports (annual average)			35	50
Servant				25
Sundries	40	55	85	150
Total	\$372	\$472	\$622	\$1010

For certain laboratory courses additional fees are required for materials, reagents, and the use and breakage of apparatus.

Members of any department of the University can board at cost by joining the Association which uses the great dining-room of Memorial Hall. The cost of board to the members of this association is expected not to exceed \$4.25 a week. The Hall opens on the last Wednesday in September.

Upwards of two hundred members of the various departments of the University are admitted annually to the Foxcroft Club, a coöperative organization having quarters adjoining the College yard. Simple articles of food are furnished to order at cost, making it possible to board at the Club for from \$2.50 to \$3.00 a week. By using the Club's reading room and its reference library, members are enabled to lodge cheaply at a distance from the University or in suburban towns. The annual fees of the Club are low. Applications should be made early.

TUITION-FEES OF SPECIAL STUDENTS.

The tuition-fees of special students are: —

For any laboratory course, alone or with other courses, \$150 a year.

For certain laboratory courses additional fees are required for materials, reagents, use and breakage of apparatus.

For any elective full course, \$45; for a half-course, \$25 — a year.

In all other cases the fees will be computed at the rate of \$15 for an hour a week of instruction during the academic year up to \$150. But in no case shall the tuition-fee be less than \$30 or more than \$150 a year.

Any student who attends a course of instruction for only a part of the year must pay the full year's fee for that course; except that a student who is liable for the fee of \$150 a year is entitled to the same remissions as undergraduates.

BONDS.

Every *Undergraduate* must file a bond with the Bursar in the sum of \$400, signed by two bondsmen, one of whom must be a citizen of the United States, as security for the payment of College bills; or he may deposit with the Bursar \$400 in money, or in United States bonds, for the same purpose; or he may deposit \$50 as security and pay his tuition fees in advance as follows:—one third on or before October 1, one third on or before January 1, and one third on or before April 1. Any student who takes advantage of the last rule must pay in advance the full year's rent of any College room which may be assigned to him, and if he boards at Memorial Hall or at the Foxcroft Club, must make a deposit at the rate of \$5 a week in advance.

The above rules apply also to *Special Students*, except that \$200 is the amount of bond or deposit required of a special student who neither occupies a College room, nor boards at Memorial Hall, nor at the Foxcroft Club.

No officer or student of the University will be accepted as a bondsman.

COLLEGE BILLS.

The term-bills are issued December 22, March 22, and one week before Commencement, and are to be paid respectively on or before January 12, April 12, and October 10; but the third bills of candidates for degrees must be paid at least one day before Commencement. When a student severs his connection with the College his whole bill becomes payable at once.

The fee for instruction is \$150 a year, from which deductions will be made as follows: for absence of three consecutive months, \$30; for absence during the whole year, not including the mid-year and final examinations, or either of them, \$100. A student who claims a deduction must present at the Bursar's office a certificate from the Secretary as to the fact and duration of his absence. In order to obtain such a certificate he must have given prompt notice of his intended absence in accordance with the regulations of the Faculty.

A student who joins the College after the beginning of the academic year will be charged for instruction from the beginning of the third in

which he joins. One who leaves during the year will be charged for instruction only to the end of the third in which he leaves, if before that time he gives written notice of his withdrawal to the Secretary; otherwise he will be charged to the end of the third in which such written notice is given. The first third begins at the beginning of the academic year and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

Additional fees are charged to those who take laboratory courses for materials, reagents, apparatus, etc.

A fee of \$3 is charged for the second and each subsequent examination for removing a condition.

ASSIGNMENT OF COLLEGE ROOMS FOR 1892-93.

Students living in College buildings, who intend to be students in any Cambridge department of the University during the academic year 1892-93, and wish to engage for that year the rooms which they now occupy, must sign new room-agreements and leave them at the Bursar's office between March 21 and March 31 inclusive.

A list of all the College rooms not engaged for 1892-93, except rooms in Wadsworth House and a few rooms in Divinity Hall and Holyoke House, with blank forms of application, will be ready for delivery at the Bursar's office April 6. Applications for these rooms may be made on or before May 2 by Undergraduates and Special Students in Harvard College, Students in the Lawrence Scientific School, Graduates of Harvard College who intend to be students in any Cambridge department of the University during 1892-93, and by those who intend to enter Harvard College as Undergraduates in the summer of 1892. But rooms in Holyoke Hall will be assigned only to applicants who are members of the classes of 1893, 1894, or 1895 in the College. Applications which are not made on the printed blanks, and applications from those who have already engaged College rooms for 1892-93, will not be considered. The assignment of rooms will be made by lot May 4, and the result of the allotment will be announced May 5.

Lists of the rooms to be let May 4, descriptive lists of rooms, blank applications and bonds will be sent after April 6 to those intending to enter the College in the summer of 1892 who send their names and addresses to the Bursar for that purpose. The application will contain a certificate to be signed by the instructor of the applicant stating that the applicant intends to enter the College as an Undergraduate in the summer of 1892, and specifying the examinations (June or September) at which he will apply for admission. The bond for \$400 must be executed by two sufficient bondsmen and will hold them for the full year's rent of any one of the

rooms applied for which may be assigned to the applicant between the date of the execution of the bond and the fifth day of October, 1892, unless the applicant is rejected at the June examinations without permission to take the examinations in September; and in that case the bondsmen will be held for one quarter of the full year's rent. But the bondsmen will not be held for any payment of rent if the Bursar lets the room to some other member of the University in accordance with the established rules.

In the assignment of a room with two bedrooms,* preference will be given to an application signed by two students who will occupy the room together. If two students, neither of whom has a room standing in his name for 1892-93, intend to occupy a room together and both sign one application, this application will be given two chances in the allotment and any room drawn will be assigned to the two applicants. But if in any case one of two applicants to whom a room has been assigned is not admitted to College at the examination specified by the instructor on the room-application, or if either of the applicants does not register and join his class before October 1, or does not occupy the room through the year, the Bursar may cancel the assignment and assign the room by lot to other applicants.

Every student to whom a room is assigned, except any applicant for admission who is rejected at the June examinations without permission to take the examinations in September, will be held responsible for the full year's rent thereof, and all charges for gas and damages, unless, before October 1, 1891, the room is let at his request to some other student in accordance with the established rules; or unless, being a member of the class of 1893, of 1894, or of 1895, in the College, he permanently severs his connection with the University, obtains a leave of absence for the whole year 1892-93, or is suspended for the whole of that year, and gives written notice to the Bursar before September 1, 1892, that he desires to cancel his room-agreement. When one of two room-mates cancels his room-agreement under the preceding provision, the other room-mate may, except as otherwise provided in the case of rooms assigned by preference to two applicants, secure the room by at once signing a new room-agreement and leaving it at the Bursar's office; but unless he does so, the Bursar will be at liberty to assign the room to other tenants.

Students who have no College rooms for 1892-93 and wish to obtain rooms which may be unengaged May 9, or which may become vacant at any time after that date, may after May 5 file applications at the Bursar's office, specifying the conditions as to buildings, floors, exposure, rent, &c. which they desire to have met and containing agreements to take any rooms which may be assigned to them which fulfil the specified conditions. These applications will remain in force until such dates as the applicants may specify therein, and rooms will be assigned upon them by lot. Notice

* In Holyoke House, rooms 5, 16, 27, and 38 only, will be subject to this preference.

of rooms to be assigned may be put upon the bulletin board if the Bursar considers it advisable.

The Bursar may cancel the assignment of a room to one whose connection with the University as a student is terminated; or to one intending to enter College as an undergraduate, who does not pass the admission examination or, having passed the examination, does not join his class before October 1, 1892; or to any other person who does not register as a student in some Cambridge department of the University before October 1, 1892.

The right to occupy a College room is given only to the student to whom the room is assigned and to his room-mate. Neither transfers nor exchanges of rooms are allowed. Not more than two students are allowed to occupy any College room; and not more than one to occupy any room in Divinity Hall, except those having bedrooms, or any room on the North side of Grays Hall. Only the constant use of a room by night as well as by day will be regarded as occupation thereof. All persons who occupy College rooms are subject to the regulations of the Parietal Committee. Persons not connected with the University are not allowed to occupy College rooms. Tenants who desire to employ any one to make fires, black boots, &c., must arrange therefor with the porters of the buildings in which they live.

PRICES OF COLLEGE ROOMS. — 1892-93.

In each case the price is for the whole room from the beginning of the Academic Year until the next Commencement, and includes the daily care of the room.

- \$25. College House, Nos. 13, 35.
- \$40. Divinity Hall, Nos. 6, 10; Divinity House, No. 4.
- \$44. Hollis and Stoughton, Nos. 1, 2, 3, 4, 18, 19, 20.
- \$45. College House, Nos. 57 and 58; Divinity Hall, Nos. 4, 5, 9, 12.
- \$50. College House, Nos. 22, 44, 66; Divinity Hall, Nos. 2, 3, 11, 14.
- \$55. Divinity Hall, Nos. 1, 13; Divinity House, No. 2.
- \$56. Hollis and Stoughton, Nos. 13, 14, 16.
- \$60. { Hollis and Stoughton, Nos. 5, 6, 8, 9, 10, 12, 17, 22, 23, 24, 26, 27, 28; College House, Nos. 3, 4, 6, 7, 8, 9, 10, 15, 16, 18, 19, 20, 25, 26, 27, 28, 30, 31, 32, 37, 38, 39, 40, 41, 42, 46, 48, 50, 52, 54, 60, 62, 64, 70; Divinity Hall, Nos. 20, 22, 24, 34, 38; Divinity House, No. 5; Grays, Nos. 33, 35.
- \$65. { Divinity Hall, Nos. 18, 21, 26, 28, 32, 40, 42; Divinity House, No. 1; Hollis and Stoughton Nos. 29, 32.
- \$70. { College House, Nos. 11, 12, 33, 34, 47, 49, 51, 53, 59, 61, 63, 67, 68, 69; Divinity Hall, Nos. 7, 8, 35, 36.
- \$75. { Hollis and Stoughton, Nos. 11, 15, 25, 30, 31; College House, Nos. 1, 2, 21, 23, 24, 43, 45, 55, 65; Divinity Hall, Nos. 16, 27, 30, 41; Divinity House, No. 3; Grays, Nos. 3, 13, 15, 17, 19, 34, 37, 49, 51; Weld, Nos. 25, 26, 52, 53.
- \$80. { Divinity Hall, Nos. 15, 17, 19, 23, 25, 29, 31, 33, 37, 39; Holyoke, No. 39.
- \$100. { Grays, Nos. 1, 7, 11, 14, 18, 21, 23, 25, 27, 29, 31, 36, 39, 41, 45; Weld, Nos. 24, 27, 51, 54; Matthews, Nos. 27, 28, 57, 58; Wadsworth House, Nos. 9 and 10, 11 and 12; College House, No. 29; Holyoke, Nos. 28, 45; Walter Hastings, No. 61.
- \$125. { Grays, Nos. 2, 9, 16, 22, 26, 30, 40, 47, 50, 52; Matthews, Nos. 25, 26, 29, 30, 55, 56, 59, 60; Holyoke, Nos. 6, 17; Thayer, Nos. 17, 18, 19, 20, 23, 24, 41, 42, 47, 48, 65, 66; Walter Hastings, Nos. 13, 22, 23, 32, 46, 59.
- \$150. { Grays, Nos. 4, 6, 8, 10, 12, 20, 28, 32, 38, 42, 44, 46, 48; Holyoke, Nos. 2, 3, 11, 40, 44, 46; Matthews, No. 6; Thayer, Nos. 1, 2, 3, 4, 13, 14, 15, 16, 25, 26, 30, 35, 36, 43, 44, 45, 46, 49, 50, 53, 59, 60, 63, 64, 67, 68; Foxcroft House, Nos. 1, 5, 6; Walter Hastings, Nos. 45, 60.

- §175. { Thayer, Nos. 5, 6, 8, 9, 10, 11, 12, 21, 22, 31, 32, 37, 38, 39, 40,
 51, 52, 55, 56, 57, 58, 61, 62; Weld, Nos. 3, 5, 8, 13, 14, 19,
 20, 30, 32, 34, 35, 40, 41, 46, 47; Holyoke, Nos. 12, 29, 34;
 Foxcroft House, Nos. 2, 7, 8.
- §200. { Thayer, Nos. 27, 28, 33, 34; Matthews, Nos. 3, 4, 10, 16, 22, 33,
 34, 46, 52; Holyoke, Nos. 18, 22, 23, 37, 41, 42, 43, 47, 48;
 Wadsworth House, Nos. 1 and 2, 13; Weld, No. 1; Foxcroft
 House, No. 3.
- §225. { Weld, Nos. 4, 6, 9, 12, 15, 18, 21, 22, 23, 31, 33, 39, 42, 45, 48,
 49, 50; Matthews, Nos. 5, 9, 15, 19, 20, 21, 39, 45, 49, 50, 51;
 Holyoke, Nos. 1, 26, 30, 31, 32, 35, 36, 50; Wadsworth House,
 Nos. 5 and 6; Foxcroft House, No. 4; Walter Hastings, Nos. 20,
 30, 42.
- §250. { Holworthy, Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17,
 18, 19, 21, 22, 23, 24; Weld, Nos. 2, 10, 11, 16, 17, 28, 29,
 37, 38, 43, 44; Matthews, Nos. 1, 2, 8, 13, 14, 23, 24, 31, 32,
 35, 36, 37, 38, 43, 44; Holyoke, Nos. 4, 9, 10, 13, 14, 15, 20,
 21, 24, 25, 38, 49; Wadsworth House, Nos. 3 and 4, 7 and 8, 14;
 Walter Hastings, Nos. 14, 16, 18, 24, 26, 28, 33, 36, 39, 47, 50,
 53, 56.
- §275. Matthews, Nos. 53, 54; Holyoke, Nos. 8, 19.
- §300. { Matthews, Nos. 11, 12, 17, 18, 41, 42, 47, 48; Holyoke, Nos. 5,
 16, 27; Walter Hastings, Nos. 12, 21, 35, 38, 41, 44.
- §325. { Walter Hastings, Nos. 3, 6, 9, 11, 15, 17, 19, 25, 27, 29, 31, 34,
 37, 40, 43, 57, 58.
- §350. Walter Hastings, Nos. 1, 2, 4, 5, 7, 8, 10, 48, 49, 51, 54, 55.

THE LAWRENCE SCIENTIFIC SCHOOL.

ADMINISTRATIVE BOARD.

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STUDENTS.

The Roman numerals indicate courses as follows: I., Civil and Topographical Engineering; II., Chemistry; III., Geology; IV., Biology, V., Electrical Engineering; VI. General Course in Science.

FOURTH YEAR.

Holbrook, Arthur Tenney,	IV. Milwaukee, Wis.	45 Mt. Auburn St.
Lucas, Frederic Colby,	IV. Cambridge,	36 North Ave.
Olsson, Frederic Arthur,	I. Cambridge,	38 Shepard St.
Pillsbury, Arthur Low,	I. Urbana, Ill.	H. 19.
Richards, Herbert Maule,	IV. Philadelphia, Pa.	W. H. 56.
Richmond, Henry Isaac, Jr.	III. Little Compton, R.I.	D. 42.
Taylor, Perry Elias,	II. Schoharie, N. Y.	40 Kirkland St.

THIRD YEAR.

Adams, Alvin,	V. Boston,	W. H. 41.
Berry, Shaler,	III. Newport, Ky.	W. 9.
Burditt, George Lovell,	II. Cambridge,	31 Lee St.
Burnap, Charles Edward,	IV. Fitchburg,	W. 25.
Fletcher, Austin Bradstreet,	I. No. Cambridge,	35 Blake St.
Folsom, Justus Watson,	IV. So. Boston,	918 Fourth St., So. Boston.
Howe, Henry Adams,	I. Cambridge,	Felton Building 5.
Meadows, Harold Gregory,	V. Buffalo, N. Y.	H'ke 20.
Myer, Herman,	II. Carthage, Tenn.	19 Irving St.

SECOND YEAR.

Bruen, Herman,	V. <i>Newport, R. I.</i>	Manter Block 5.
Henderson, William Julian,	<i>Brookline,</i>	Chestnut Hill Ave., Brookline.
Herrman, Charles,	II. <i>New York, N. Y.</i>	862 Main St.
Holmes, Frederic Harper,	V. <i>Plymouth,</i>	54 Mt. Auburn St.
Holzman, Samuel Solomon,	II. <i>Denver, Col.</i>	T. 59.
Hyatt, Alpheus, Jr.	IV. <i>Cambridge,</i>	Francis Ave.
Judd, Sylvester Dwight,	IV. <i>W. Orange, N. J.</i>	T. 66.
Moss, Robert Thomas Wood- ward,	III. <i>New York, N. Y.</i>	894 Main St.
Neuman, Henry Levi, Jr.	III. <i>St. Louis, Mo.</i>	W. H. 27.
Tripp, Philip Edmund,	III. <i>Fall River,</i>	W. 16.
Whiteside, George Shattuck,	II. <i>Champlain, N. Y.</i>	H'ke 16.
Whitridge, Andrew Hender- son,	II. <i>Baltimore, Md.</i>	44 Brattle St.
Wood, Albert Bowman,	IV. <i>Worcester,</i>	M. 34.

FIRST YEAR.

Allen, Horton Sumner,	V. <i>Newton,</i>	36 North Ave.
Bancroft, Alvin Warren,	V. <i>Gardner,</i>	C. 45.
Crocker, Paul,	I. <i>Fitchburg,</i>	25 Holyoke St.
Davis, Fellowes, Jr.	IV. <i>New York, N. Y.</i>	Read's Block 14.
Davis, George Adams,	IV. <i>Worcester,</i>	882 Main St.
Eveleth, Charles Mirick,	V. <i>Cambridge,</i>	18 Martin St.
Johnson, Ralph Miller,	I. <i>Belfast, Me.</i>	721 Cambridge St.
Julbe, Julio Juan,	I. <i>New York, N. Y.</i>	50A Kirkland St.
Page, Logan Waller,	III. <i>Richmond, Va.</i>	Felton Building 28.
Palmeter, George Fitch,	I. <i>Chicago, Ill.</i>	715 Cambridge St.
Raudenbush, Harry William,	II. <i>Reading, Pa.</i>	18 Sumner St.
Stevens, Cabot,	V. <i>Cambridge,</i>	26 Gray St.
Swendsen, George Lewis,	I. <i>Richmond, Utah,</i>	421 Broadway.
Thayer, Stephen Van Rensselaer,	<i>Boston,</i>	Shepherd Block 6.
Turnbull, Davis Francis,	III. <i>New York, N. Y.</i>	404 Harvard St.
Vaughan, John Fairfield,	V. <i>Cambridge,</i>	7 Brewster St.
Wardner, Allen,	III. <i>Windsor, Vt.</i>	G. 8.
Whitren, Jacob Potter,	I. <i>Willimantic, Conn.</i>	721 Cambridge St.
Widtsoe, John Andreas,	II. <i>Logan City, Utah,</i>	421 Broadway.

SPECIAL STUDENTS.

Aguilar, Ramón,	<i>San José,</i>	
	<i>Costa Rica, C. A.</i>	104 Mt. Auburn St.

Ames, Albert Scott,	<i>Brockton,</i>	46 North Ave.
Baker, Morris,	<i>Philadelphia, Pa.</i>	Felton Building 15.
Barrell, Charles Sewall,	<i>York Corner, Me.</i>	C. 50.
Bever, Louis Rathbone,	<i>Cedar Rapids, Ia.</i>	40 North Ave.
Chase, Charles Everett,	<i>Lynn,</i>	111 Maple St., Lynn.
Christopher, Marion,	<i>Warrensburg, Mo.</i>	10 Appian Way.
Clark, William Edwin,	<i>St. Albans, Vt.</i>	11 Wendell St.
Clark, Winslow,	<i>Milton,</i>	9 Linden St.
Cochrane, William Sturtevant,	<i>Delavan, Wis.</i>	11 Wendell St.
Cook, Allen,	<i>Fall River,</i>	T. 23.
Cotton, Arthur Norman,	<i>Cambridge,</i>	23 Clinton St.
Coues, Elliott Baird,	<i>Washington, D. C.</i>	H'y 1.
Deahl, Jasper Newton,	<i>Evansville, W. Va.</i>	46 Mt. Auburn St.
Devereaux, Edward Mifflin,	<i>Roslindale,</i>	Metropolitan Ave.,
Doucette, Allan Edward,	<i>Somerville,</i>	H. 18. [Roslindale.
Easton, Norman Salisbury,	<i>Fall River,</i>	W. H. 32.
Fairchild, Charles Nelson,	<i>Boston,</i>	14 Sumner St.
Farr, Lee Norman,	<i>E. Cambridge,</i>	139 Thorndike St., E. Cambridge.
Fernald, Merritt Lyndon,	<i>Orono, Me.</i>	64 Buckingham St.
Flynn, Edward James,	<i>Somerville,</i>	C. 37.
Foster, Francis Apthorp,	<i>Cambridge,</i>	15 Oxford St.
Fox, Richard Talbott,	<i>Paris, Ky.</i>	M. 10.
Fullam, Frank Lemuel,	<i>W. Brookfield,</i>	C. 52.
Gardner, John Lowell, 2d,	<i>Boston,</i>	51 Commonwealth Ave., Boston.
Gordon, George Byron,	<i>P. E. Island,</i>	11 Wendell St.
Green, Edward Craft,	<i>Chicago, Ill.</i>	65 Mt. Auburn St.
Hall, Joseph Henry,	<i>Norwich, Conn.</i>	H'ke 37.
Hayward, Walter Barrows,	<i>Taunton,</i>	Taunton.
Highlands, John Ashley,	<i>Fall River,</i>	40 Kirkland St.
Hilliard, Haven Johnstone,	<i>Boston,</i>	52 Gainsboro' St., Boston.
Hinckley, Frank Casper,	<i>Bangor, Me.</i>	126 Mt. Auburn St.
Holland, James Edwin,	<i>Cincinnati, O.</i>	890 Main St.
Howlett, Charles Albert Skinner,	<i>Cambridge,</i>	6 Upton St.
Hyde, John Lawrence,	<i>Newton Centre,</i>	C. 45. [Lynn.
Johnson, Arthur Newhall,	<i>Lynn,</i>	101 Newhall St.,
Landauer, Harry,	<i>Milwaukee, Wis.</i>	467 Broadway.
Lynch, Daniel Edgar,	<i>Albany, N. Y.</i>	9 Avon St.
McCurdy, George Grant,	<i>Warrensburg, Miss.</i>	C. 3.
MacKaye, James Medbery,	<i>Shirley,</i>	D. 35. [Somerville.
Mayhew, Bartlett,	<i>Somerville,</i>	Park St., c. Beacon,

Merwin, Edward Payson, Jr.	<i>New Haven, Conn.</i>	Little's Block 28.
Mills, Charles Wilson,	<i>Mt. Palatine, Ill.</i>	140 Mt. Auburn St.
Moore, William Charles,	<i>E. Boston,</i>	140 Webster St., E. Boston.
Morgan, George Orlando,	<i>Pittsburg, Pa.</i>	Kirkland Pl.
Morse, Henry Warren,	<i>Salem,</i>	26 Mellen St.
Neff, Richard Wayne,	<i>Cincinnati, O.</i>	38 Winthrop St.
Peralta, Federico,	<i>San José,</i>	
	<i>Costa Rica, C. A.</i>	104 Mt. Auburn St.
Read, Motte Alston,	<i>Houston, Texas,</i>	H'ke 3. [bury.
Reagh, Arthur Lincoln,	<i>W. Roxbury,</i>	Maple St., W. Rox-
Roberts, Owen Freeman,	<i>Oakes, N. Y.</i>	20 Trowbridge St.
Rodriguez, Mariano,	<i>San José,</i>	
	<i>Costa Rica, C. A.</i>	104 Mt. Auburn St.
Rust, Frank Lee,	<i>Boston,</i>	W. 35.
Saxman, Charles Warren,	<i>Latrobe, Pa.</i>	Felton Building 15.
Schlesinger, Benjamin Franklin,	<i>Chicago, Ill.</i>	Quincy Building 6.
Slade, Edward,	<i>Chestnut Hill,</i>	60 Mt. Auburn St.
Smith, Joseph Frailey,	<i>Philadelphia, Pa.</i>	5 Linden St.
Smith, Walter Tennie,	<i>Pepperell,</i>	Manual Training School.
Sornborger, Jewell David,	<i>Cambridge,</i>	45 Sacramento St.
Stone, John Sheppard,	<i>St. Paul, Minn.</i>	Quincy Building 12.
Tanner, Caleb,	<i>Provo City, Utah,</i>	421 Broadway.
Tassin, Wirt De Vivier,	<i>Washington, D. C.</i>	H. 24.
Walker, Ernest Linwood,	<i>Yarmouth, Me.</i>	D. 2.
Weitzel, George Thomas,	<i>Frankfort, Ky.</i>	354 Harvard St.
Whiting, Howard Earle,	<i>Cambridge,</i>	11 Ware St.
Whitney, Hugh,	<i>Milton,</i>	78 Mt. Auburn St.
Wilson, Charles Crawford,	<i>Selma, Ill</i>	15 Shepard St.
Woodworth, Jay Backus,	<i>Somerville,</i>	73 Park St., Somerville.
Worman, Ben James,	<i>New York, N. Y.</i>	10 Oxford St.
Young, Harry James,	<i>Boston,</i>	153 W. Newton St., Boston.

SUMMARY.

FOURTH YEAR STUDENTS	7
THIRD " "	9
SECOND " "	13
FIRST " "	19
SPECIAL " "	70
Total	118

THE SCIENTIFIC SCHOOL.

REQUIREMENTS FOR ADMISSION.

All candidates for admission must furnish testimonials of their good moral character. These testimonials should be forwarded through the mail by their writers to the Dean of the School.

Candidates for admission to any one of the regular courses in Engineering, Chemistry, Geology, Biology, Electrical Engineering, or General Science, will be examined in the following subjects:—

6 (2). History of the United States and England (including Historical Geography).

The following works will serve to indicate the amount of knowledge demanded in this subject: Higginson's *Young Folks' History of the United States* (to the end of Chapter XXI.), and Johnston's *History of the United States for Schools* (beginning at § 269); Guest and Underwood's *Handbook of English History* (to the year 1793).

The following selections are recommended for additional reading, and will be made the basis of optional questions in the examination*:—

For American History: Lodge's *English Colonies*, Chapters II. and XXII.; Morse's *John Quincy Adams*, Chapters II. and III.; Josiah Quincy's *Figures of the Past*.

For English History: Macaulay's *History of England*, Chapters I. and III.

7. *Mathematics*. — (a) Algebra, through Quadratic Equations. (The requirement in Algebra embraces the following subjects: factors, common divisors and multiples, fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral exponents and the extraction of roots; putting questions into equations, and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees, with one or more unknown quantities, and of problems leading to such equations.) (b) Plane Geometry.

* Candidates who take the questions on the Selections will be allowed to omit some of the questions on the corresponding Manual.

6. (*Advanced*) *Mathematics*. — (a) Logarithms; Plane Trigonometry, with its applications to Surveying and Navigation.

8. *Physical Science*. — Either (1) Astronomy (Lockyer's *Elementary Lessons*), and Physics (Avery's *Elements of Natural Philosophy** or Gage's *Elements of Physics*); or (2) A course of experiments in mechanics, sound, light, heat, and electricity; these experiments must be not less than forty in number, and must be actually performed at school by the pupil; they may be selected from A. M. Worthington's *Physical Laboratory Practice* (Rivingtons, London, 1886), or from the "New Physics," by John Trowbridge (Appleton & Co., New York), or from any similar laboratory manual.

1. *English*. — This study may be offered at the Final Examination only. The candidate will be required to write a short composition on one of several subjects announced at the time of the examination. In 1892 the subjects will be drawn from one or more of the following works: Shakspeare's *Julius Cæsar* and *As You Like it*, Scott's *Marmion*, Longfellow's *Courtship of Miles Standish*, the *Sir Roger de Coverley Papers* in the *Spectator*, Macaulay's second *Essay on the Earl of Chatham*, Webster's first *Bunker Hill Oration*, Irving's *Alhambra*, Scott's *Talisman*, George Eliot's *Scenes of Clerical Life*, Hawthorne's *House of the Seven Gables*. Every candidate is expected to have read intelligently *all* the books prescribed.

The English written by a candidate in any of his examination-books may be regarded as part of his examination in English, in case the evidence afforded by the examination-book in English is insufficient.

The candidate will also be required to *correct specimens of bad English*.

The works prescribed for the examinations of 1893, 1894, and 1895, are the following: —

For 1893: Shakspeare's *Julius Cæsar* and *Twelfth Night*, Scott's *Marmion*, Longfellow's *Courtship of Miles Standish*, the *Sir Roger de Coverley Papers* in the *Spectator*, Macaulay's second *Essay on the Earl of Chatham*, Emerson's *American Scholar*, Irving's *Sketch Book*, Scott's *Ivanhoe*, Dicken's *David Copperfield*.

For 1894: Shakspeare's *Julius Cæsar* and *Merchant of Venice*, Scott's *Lady of the Lake*, Arnold's *Sohrab and Rustum*, the *Sir Roger de Coverley Papers* in the *Spectator*, Macaulay's second *Essay on the Earl of Chatham*, Emerson's *American Scholar*, Irving's *Sketch Book*, Scott's *Abbot*, Dicken's *David Copperfield*.

For 1895: Shakspeare's *Merchant of Venice* and *Twelfth Night*, Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*, Longfellow's *Evangeline*,

* See foot-note on p. 155.

the Sir Roger de Coverley Papers in the Spectator, Macaulay's Essays on Milton and Addison, Webster's first Bunker Hill Oration, Irving's Sketch Book, Scott's Abbot.

4 or 5. *German or French.* — The translation at sight either of simple German prose, or of ordinary French prose. The passages set for translation will be similar to those set at the final examinations in German A and French A respectively, — College courses each having three hours of instruction a week through the year. A knowledge of the language itself, rather than of the grammar, is expected; but proficiency in elementary grammar, or facility in writing the language, will be accepted as an offset for some deficiency in translation. It is recommended that from the outset attention be given to pronunciation.

FOR THE COURSE IN CIVIL AND TOPOGRAPHICAL ENGINEERING. — In addition to the above requisitions, candidates who propose to take this course will be examined in —

6. (*Advanced*) *Mathematics.* — (b) Either Solid Geometry or the Elements of Analytic Geometry.

All these subjects are identical with those of the same number in the Requirements for Admission to Harvard College.

DIVISION OF THE EXAMINATION.

Candidates for admission may be examined in all the subjects at a single examination in June or September; or they may be examined in part of the subjects in June of one year, and in the remaining subjects in the June or September of the following year; or the examination may be divided between the June and September examinations of the same year; but, in case the examination is divided, the student must at the first examination pass in at least two of the subjects, or his work at this examination will not be counted to his credit.

ADMISSION TO ADVANCED STANDING.

A candidate may be admitted to advanced standing either by passing examinations in all the studies already pursued by the class for which he offers himself, in addition to the entrance examinations; or upon such conditions as the Faculty may deem equitable in each case, regard being had to the applicant's previous course of study, and to the evidence of proficiency exhibited by him.

The successful study of any subject in Harvard College will be taken as an equivalent for the same subject in the Scientific School; but no graduate of the College will be given a Scientific School degree without at least one full year's work in the School.

ADMISSION WITHOUT EXAMINATION. SPECIAL STUDENTS.

The courses of study in the Scientific School are open to persons who satisfy the Faculty of their fitness to pursue the particular courses they elect, although they have not passed the usual examinations for admission. These students are known as Special Scientific Students; they are members of the School from the time of their admission, but are not candidates for the degrees given by the School.

Special Students are subject to all the regulations of the School. A report of their work is sent to their parents or guardians twice a year.

The Faculty reserves the right to deprive any Special Student of his privileges at any time, if he abuse or fail to use them.

A certificate of proficiency will be given, if desired, to any Special Student who has faithfully pursued his chosen subjects throughout a year and attained a grade not lower than Grade B therein.

Persons who propose to enter the School as Special Students are required to furnish testimonials of good moral character and to indicate the courses of study they wish to pursue.

***TIMES AND PLACES OF EXAMINATIONS.**

All examinations are held at the same times and places, and under the same conditions, as those for admission to College.

Candidates for admission to the Lawrence Scientific School will fill out the same blanks as other candidates, but must be careful to put upon each paper L. S. S. (abbreviation for Lawrence Scientific School).

Two regular examinations for admission are held each year, — one at the beginning of the summer vacation, and the other at the beginning of the academic year in the autumn.

First Examination.

In 1892, the *first examination* will be held on Tuesday, Thursday, Friday, and Saturday, June 28, and 30, July 1, and 2, in the following places: In *Cambridge*, in Sever Hall; in *Quincy*, in the rooms of the Adams Academy; in *Andover*, in the rooms of the Phillips Academy; in *Groton*, in the rooms of the Groton School; in *Southborough*, in the rooms of St. Mark's School; in *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street; in *Exeter, N. H.*, in the rooms of Phillips Exeter Academy; in *Concord, N. H.*, in the rooms of St. Paul's School; in *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, Twenty-third Street, corner of Fourth Avenue; in *Albany, N. Y.*, in the rooms of the Young Men's Christian Association; in *Buffalo, N. Y.*, in the High School building, corner of Court and Franklin Streets; in *Philadelphia*, in the library hall of the Academy.

of Natural Sciences, S. W. corner of Nineteenth and Race Streets; in *Washington, D. C.*; in *Cleveland, O.*, in the Central High School building; in *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street; in *Chicago, Ill.*, in rooms of the Chicago Athenæum, VanBuren Street; in *St. Louis, Mo.*, in the Central High School building, corner of Olive and Fifteenth Streets; in *Minneapolis, Minn.*, in the Lecture-room of the Public Library building; in *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets; in *San Francisco, Cal.*, in the rooms of the Boy's High School, on Sutter Street, between Gough and Octavia Streets; in *Portland, Oregon*; in some convenient city in Europe, to be announced later; and in *Tokyo, Japan*.

The college will ordinarily conduct the admission examinations in June in any school or city where the number of candidates for examination, preliminary or final, shall be not less than ten; provided that the school or city be not within easy reach of one of the regular places of examination. Applications for examinations in June, in schools or cities not named above, should be made to the Secretary of Harvard University as early as the 1st of April.

Candidates who wish to take the examinations in the advanced studies numbered 7 (b), 8, or 9, must assemble punctually at 8.30 o'clock A.M. on the *first* day of the examination (Tuesday, June 28); all other candidates must present themselves at 8 o'clock A.M. on the *second* day of the examination (Thursday, June 30).

Candidates who wish to be examined in any place other than Cambridge, are required to give notice to the Secretary. The notice must be *in the Secretary's hands* not later than June 10. Candidates who intend to take any of the examinations of the first day must mention this intention in the notice.

A fee of five dollars must be paid in advance by every candidate who is examined at any place other than Cambridge. The whole fee of a candidate who purposes to divide his examination between two years is payable before his first examination: it should be sent by check, post-office order, or registered letter to CHARLES F. MASON, *Bursar*, Cambridge, Mass., and should be in the Bursar's hands not later than June 10.

Persons who do not intend to enter College will be admitted to the examinations at other places than Cambridge on payment of a fee of five dollars; and, if successful, will receive certificates to that effect.

Second Examination.

The *second examination* will be held in *Cambridge only*, on Thursday, Friday, Saturday, and Monday, September 22, 23, 24, and 26.

All candidates must present themselves punctually at 8 A.M. on the *first* day of the examination (Thursday, Sept. 22).

ORDER OF EXAMINATIONS.

Tuesday, June 28, and Monday, Sept. 26.	Friday, July 1, and Friday, Sept. 23.	Saturday, July 2, and Saturday, Sept. 24.
	8-9, Elem. Physics.	10½-11½, Log. and Trigo- nometry.
	9-10, Plane Geome- try.	11½-12½, Solid Geometry.
12½-1½, Analytic Geom- etry.	10½-11½, Algebra.	1½-2½, Elemen. French (French A).
	11½-12½, History.	
	1-2½, English.	2½-3½, Elemen. German (German A).

Laboratory examinations in Physical Science will be provided (in Cambridge only) during the four days of the examinations. Each candidate will receive due notice of the time and the place of his laboratory examination.

In June the laboratory examinations in Elementary Physics will not begin on the first day.

Examinations on the work of the first or second years are held in Cambridge in the autumn only. Candidates will present themselves in Sever Hall at 8½ A.M. on Monday, September 22. Due notice of the times and places of examinations will be posted on the bulletin boards in Sever Hall.

COURSES OF STUDY.

These courses are selected from the Courses of Instruction provided by the Faculty of Arts and Sciences, and are described at length on pages 57-101, under the heading which is given in the brackets.

I. Course of Four Years in Civil and Topographical Engineering.

Students, whose previous work enables them to pass the examinations in any of the required courses, may on so doing substitute for these courses others, chosen with the approval of the Faculty.

FIRST YEAR. †

Analytic Geometry (Mathematics B). Professor C. J. WHITE.

Mechanical Drawing. — Descriptive Geometry (Engineering 1). Mr. WAIT.

Land Surveying (Engineering 2). Mr. WAIT.

† Students of this School may take the L. S. S. course in Mathematics instead of the Analytic Geometry, Trigonometry and Calculus prescribed in these courses in Civil and Electrical Engineering and the course in General Science.

Elementary German (German A). Assistant Professor SCHILLING, Mr. NICHOLS, and Dr. POLL.

Required of students who did not offer German at their examination for admission.

Elementary French (French A). Asst. Professor DE SUMICHRIST, Dr. MARCOU, and Mr. DANION.

Required of students who did not offer French at their examination for admission.

Also, one of the following courses :—

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Experimental Physics (Physics C). Messrs. SABINE and BUCKINGHAM.

Lectures and Field Exercises in Geology (Geology 4 and 5). Professor SHALER and Dr. HARRIS.

Determinative Mineralogy (Chemistry 2). Dr. HUNTINGTON.

SECOND YEAR.

Spherical Trigonometry (Mathematics 1). Professor C. J. WHITE.†

Differential and Integral Calculus (Mathematics 2). Professor BYERLY.†

Stereotomy and Investigation of Arches (Engineering 3). Mr. JOHNSON.

Railroad Surveying, Location, and Construction (Engineering 4). Mr. WAIT.

Translation, Reading at Sight, and Composition of German (German 1a, 1b, 1c, or C). Associate Professor BARTLETT, Asst. Professor VON JAGEMANN, or Mr. NICHOLS.

THIRD YEAR.

Graphical Statics. — Mechanics of Construction and Strength of Materials (Engineering 5). Mr. JOHNSON.

Elementary Mechanics (Mathematics 4). Mr. OSGOOD.

Hydraulic, Water Supply, and Sanitary Engineering (Engineering 7¹ and 7²). Professor CHAPLIN.

French Grammar, Reading, Conversation, and Composition (French 1a or 1b). Asst. Professor DE SUMICHRIST and Dr. MARCOU, or Asst. Professor SANDERSON and Dr. MARCOU.

Also, one of the following courses that has not already been taken :—

Experimental Physics (Physics C). Messrs. SABINE and BUCKINGHAM.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Determinative Mineralogy (Chemistry 2). Dr. HUNTINGTON.

Lectures and Field Exercises in Geology (Geology 4 and 5). Professor SHALER and Mr. HARRIS.

† See foot-note on p. 212.

Second course in Geology (Geology 8). Professor SHALER and Mr. WOODWORTH.

Geology 8 is open only to those who have already taken Geology 4. Constitutional and Political History of the United States (History 13). Asst. Professor HART.

- FOURTH YEAR.

Applied Mechanics (Engineering 6). Professor ———.

Designing Engineering Structures (Engineering 8). Professor ———.

Preparation of Thesis.

Also, *one* of the following courses that has not already been taken :—

Physical Geography and Meteorology (Geology 1 and 2). Professor DAVIS.

Elementary Zoölogy (Zoölogy 1). Professor MARK.

Elementary Botany (Botany 1). Professor GOODALE.

Lectures and Field Exercises in Geology (Geology 4 and 5). Professor SHALER and Dr. HARRIS.

Geological Field-work (Geology 22). Professors SHALER and DAVIS, Drs. WOLFF and HARRIS.

Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Determinative Mineralogy (Chemistry 2). Dr. HUNTINGTON.

Qualitative Analysis (Chemistry 3). Professor H. B. HILL.

Introduction to Philosophy (Philosophy 1). Professors PALMER and JAMES and Asst. Professor ROYCE.

European History (History 1). Asst. Professor CHANNING.

Constitutional and Political History of the United States (History 13). Asst. Professor HART.

Principles of Political Economy (Political Economy 1). Asst. Professor TAUSSIG and Messrs. COLE and CUMMINGS.

English Composition (English 12). Asst. Professor WENDELL.

German Literature (German 2, 3, or 4). Assoc. Professor BARTLETT, or Asst. Professor FRANCKE or Asst. Professor VON JAGEMANN.

French Translation and Reading at sight (French 2). Asst. Professor SANDERSON.

Students who complete this course, pass the required examinations, and present a satisfactory thesis, receive the degree of Bachelor of Science in Civil Engineering.

Students in Civil Engineering are allowed to leave the School at the beginning of the April recess in the fourth year of the course; they do not receive their degrees until Commencement.

II. Course of Four Years in Chemistry.

This course is intended for students preparing to become practical chemists or teachers of the science.

Candidates who propose to take this course must offer at their examination for admission Experimental Physics and Chemistry.

FIRST YEAR

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Mineralogy (Chemistry 2). Dr. HUNTINGTON.

General Descriptive Physics (Physics 1), or

Experimental Physics (Physics C). Asst. Professor HALL or Mr. SABINE.

Elementary German (German A). Asst. Professor SCHILLING, Mr. NICHOLS, and Dr. POLL.

Required of students who did not offer German at their examination for admission. Or

Elementary French (French A). Asst. Professor DE SUMICHRAST, Dr. MARCOU, and Mr. DANION.

Required of students who did not offer French at their examination for admission.

Rhetoric and English Composition (English A). Professors A. S. HILL and BRIGGS, and Messrs. LATHROP, FLETCHER, and HURLBUT.

SECOND YEAR.

Qualitative Analysis (Chemistry 3). Professor H. B. HILL.

Quantitative Analysis (Chemistry 4). Professors COOKE and H. B. HILL and Dr. RICHARDS.

German Prose (German 1c). Mr. NICHOLS.

Analytic Geometry (Mathematics B). Professor C. J. WHITE.†

Mechanical Drawing (Engineering 1, first half-year). Mr. WAIT.

THIRD YEAR.

Chemical Philosophy (Chemistry 8). Dr. RICHARDS.

Quantitative Analysis (Chemistry 4a). Professors COOKE and H. B. HILL and Dr. RICHARDS.

The Carbon Compounds (Chemistry 5). Professor H. B. HILL.

Elementary Botany (Botany 1). Professor GOODALE.

Elementary Zoölogy (Zoölogy 1). Professor MARK.

French Prose (French 1b). Asst. Professor SANDERSON and Dr. MARCOU.

† See foot-note on p. 212.

FOURTH YEAR.

Advanced Problems in Inorganic Chemistry (Chemistry 6). Professor COOKE.

Advanced study and research with preparation of a thesis (Chemistry 20).

Students who complete this course, pass the required examination and present a satisfactory thesis, will receive the degree of Bachelor of Science.

III. Course of Four Years in Geology.

This course is designed to furnish a special training for those who wish to prepare themselves for duty in Government Geological Surveys or for teaching, or for those who desire to obtain the foundations of a training in Mining Engineering. The course may (on special application to the Faculty) be varied to meet the wants of individual students beyond the limits indicated in the programme. Those who make good use of the opportunities afforded by the Summer Schools,* held under the direction to the professors in the department, may shorten the course of study to three years. All students are required to take one of the advanced courses in Geology during one of their summer vacations. Students who design entering the School in the autumn of any year are advised to take the summer course in Elementary Geology, which is regarded as the equivalent of Geology 4 and 5.

FIRST YEAR.

General Elementary Geology Lectures (Geology 4). Professor SHALER and Mr. DODGE.

General Elementary Geology Laboratory Work (Geology 5). Dr. HARRIS

General Descriptive Physics (Physics 1). Asst. Professor HALL.

Determinative Mineralogy (Chemistry 2). Dr. HUNTINGTON.

Elementary French (French A). Asst. Professor DE SUMICHRAST, Dr. DR. MARCOU, or Mr. DANION.

Elementary German (German A). Asst. Professor SCHILLING, Mr. NICHOLS and Dr. POLL.

Rhetoric and English Composition. Professors A. S. HILL and BRIGGS, and Messrs. LATHROP, FLETCHER, and HURLBUT.

* Summer Schools, replacing the work in the following named College electives, will be given in 1892: Geology 4, 5, and 22, Physics B, Chemistry 1, Engineering 2, German A, and French A.

SECOND YEAR.

- Meteorology (Geology 1). Professor DAVIS.
 Physical Geography (Geology 2). Professor DAVIS.
 Elementary Zoölogy (Zoölogy 1). Professor MARK.
 Elementary Botany (Botany 1). Professor GOODALE.
 Second Course in Geology (Geology 8). Professor SHALER. Dr. WOLFF,
 and Mr. WOODWORTH.
 General Descriptive Chemistry (Chemistry 1). Professor JACKSON.
 German Prose (German 1b). Asst. Professor VON JAGEMANN.
 Twelve Themes. — Lectures and discussion of themes (English B).
 Asst. Professor WENDELL and Mr. GATES.

THIRD YEAR.

- Geological field work (Geology 22). Professors SHALER and DAVIS,
 Dr. WOLFF and Dr. HARRIS.
 Petrography (Geology 12). Dr. WOLFF.
 Palaeontology (Geology 14). Professor SHALER.
 Mechanical Drawing (Engineering 1). Messrs. WAIT and JOHNSON.
 Surveying, Plotting, and Topographical Drawing (Engineering 2). Mr.
 WAIT.
 Forensics. — Lectures on Argumentative Composition (English C).
 Messrs. FLETCHER, HIGHT, and DAVIS.

FOURTH YEAR.

- Historical Geology (Geology 15). Professor SHALER.
 Mineral Veins and Metalliferous Deposits (Geology 25). Professor
 WHITNEY.
 Omitted in 1891-92.

And one of the following courses : —

- Geological field work (second course) (Geology 22). Professors SHALER
 and DAVIS, Drs. WOLFF and HARRIS.
 Physical Geography and (second course) (Geology 20). Professor DAVIS.
 Petrography (second course) (Geology 23). Dr. WOLFF.
 A thesis embodying the results of field and laboratory work.

Professors SHALER and DAVIS and Dr. WOLFF, will oversee and direct the work, in the field or library, of advanced special students in Geology.

Students who complete the above course and pass the required examinations will receive the degree of Bachelor of Science.

IV. Course of Four Years in Biology.**FIRST YEAR.**

Physical Geography and Meteorology (Geology 1 and 2). Professor DAVIS.

Elementary Zoölogy (Zoölogy 1). Professor MARK.

Elementary Botany (Botany 1). Professor GOODALE.

Lectures on Geology (Geology 4). Professor SHALER.

Experimental Physics (Physics C). Messrs. SABINE and BUCKINGHAM.

Freehand Drawing and Painting in Water-colors (Fine Arts 1). Mr. MOORE.

Elementary German (German A or B). Asst. Professor SCHILLING, Mr. NICHOLS, and Dr. POLL.

Required of students who did not offer German at their examination for admission.

Elementary French (French A). Asst. Professor DE SUMICHRAST Dr. MARCOU, and Mr. DANION.

Required of students who did not offer French at their examination for admission.

SECOND YEAR.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Morphology of Plants (Botany 2). Professor FARLOW.

Morphology of Animals (Zoölogy 2). Mr. DAVENPORT.

Advanced French (French 1a or 1b). Asst. Professor DE SUMICHRAST and Dr. MARCOU, or Asst. Professor SANDERSON and Dr. MARCOU.

Advanced German (German C, 1a, 1b or 1c). Asst. Professor SCHILLING, Assoc. Professor BARTLETT, Asst. Professor VON JAGEMANN, or Mr. NICHOLS.

Botany (second course) (Botany 3). Mr. GANONG.

THIRD YEAR.

Comparative Anatomy of Vertebrates (Zoölogy 3). Mr. DAVENPORT.

Microscopic Anatomy (Zoölogy 4). Professor MARK.

Cryptogamic Botany (Botany 4). Professor FARLOW.

Qualitative Analysis (Chemistry 3) Professor H. B. HILL.

General Introduction to Philosophy (Philosophy 1). Professors PALMER and JAMES and Asst. Professor ROYCE.

FOURTH YEAR.

In the fourth year the student is required to pursue some original investigation under the direction of one of the biological Instructors. At the end of the year he must present a thesis, giving the results of his studies. During the first week of the term he must arrange with his special Instructor the plan of study which he proposes, and this plan must be submitted to the Faculty of the Scientific School for their approval.

The courses in which research can be conducted are the following:—

Experimental Vegetable Physiology (Botany 20a). Professor GOODALE.

Structure and Development of Cryptogams (Botany 20b). Professor FARLOW.

Anatomy and Development of Animals (Zoölogy 20a). Professor MARK.

General Entomology (Zoölogy 20b). Professor HAGEN.

So far as the time allows, collateral courses may be taken by fourth year students, and the following list may serve as a guide in the selection:—

English Composition (English 12). Asst. Professor WENDELL.

German Prose and Poetry. — Reading at sight and Composition (German 1b). Asst. Professor VON JAGEMANN.

Translation and Reading at sight of French (French 8).

Principles of Political Economy (Political Economy 1). Asst. Professor TAUSSIG and Messrs. COLE and CUMMINGS.

European History (History 1). Asst. Professor CHANNING.

History of the United States (History 13). Asst. Professor HART.

Advanced Geology (Geology 8). Professor SHALER, Dr. WOLFF, and Mr. WOODWORTH.

Palaeontology (Geology 14). Professor SHALER.

Comparative Osteology (Zoölogy 10). Dr. SLADE.

A more detailed account of these studies may be found in the Announcement of Courses of Instruction in Harvard College (see pp. 55-101).

Students who complete this course, pass the required examinations, and present a satisfactory thesis, will receive the degree of Bachelor of Science.

V. Course of Four Years in Electrical Engineering.

The course in Electrical Engineering is so arranged that those persons who wish to acquire only a thorough acquaintance with electrical instruments and machines, with a view to working on telegraphs, telephones, and electric lighting, may find the studies best fitted for them in the first three years. Students who complete the studies of the first three years may receive certificates of that fact. Students who wish to study the higher theories of electricity will complete the four years' course.

FIRST YEAR.

Experimental Physics (Physics *B*). Asst. Professor HALL.

General Descriptive Physics (Physics 1). Asst. Professor HALL.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Analytic Geometry (Mathematics *B* or first half of Mathematics *C*). Professor C. J. WHITE or Professor BYERLY.†

Mechanical Drawing (Engineering 1, *first half year*). Mr. WAIT.

Workshop (*three times a week*).

Students are also required to pass the examination in German *A*, if they were prepared on French at the entrance examination; or in French *A*, if they were prepared on German.

SECOND YEAR.

Electrostatics, Electrokinematics, and Electromagnetism (Physics 3).
Professor B. O. PEIRCE.

Electrodynamics, Magnetism, and Electromagnetism (Physics 4).
Professor TROWBRIDGE.

Differential and Integral Calculus (Mathematics 2). Professor BYERLY.†

Elements of Mechanics (Mathematics 4). Dr. OSGOOD.

Rhetoric and English Composition (English *A*). Professors A. S. HILL
and BRIGGS and Messrs. LATHROP, FLETCHER, and HURLBUT.

THIRD YEAR.

Thermodynamics (Physics 6). Asst. Professor HALL.

The Steam-Engine (Physics 7). Asst. Professor HALL.

Dynamos (Physics 8). Mr. C. A. ADAMS.

Industrial Applications of Electricity, with work-shop practice. Mr. C.
A. ADAMS.

Differential and Integral Calculus (second course) (Mathematics 5).
Professor C. J. WHITE.

† See foot-notes on p. 212.

Practice in writing English. — Twelve Themes (English *B*). Asst. Professor WENDELL.

FOURTH YEAR.

Trigonometric Series. — Spherical Harmonics (Mathematics 10). Professor BYERLY.

Mathematical Theory of Electrostatics and Electrokinematics (Physics 9). Professor B. O. PEIRCE.

Mathematical Theory of Electrodynamics and Electromagnetism (Physics 10). Asst. Professor HALL.

Students who complete the course of four years, and pass satisfactory examinations, will receive the degree of Bachelor of Science in Electrical Engineering.

VI. General Course of Four Years in Science.

This course is intended for those who wish to lay a broad foundation for subsequent special work in science or who wish to prepare themselves for teaching. It prescribes elementary courses in Mathematics, Physics, Chemistry, Geology, Botany, and Zoölogy, and also affords the opportunity for more advanced work in one of these departments. At the beginning of the third year the student must select the department to which he wishes to give special attention, and the courses which he elects in the third and fourth years must have the approval of that department.

FIRST YEAR.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS and Messrs. LATHROP, FLETCHER, and HURLBUT.

Elementary German (German *A*). Asst. Professor SCHILLING, Mr. NICHOLS, and Dr. POLL.

Required of students who did not offer German at their examination for admission.

Elementary French (French *A*). Asst. Professor DE SUMICHEAST, Dr. MARCOU, and Mr. DANION.

Required of students who did not offer French at their examination for admission.

Analytic Geometry (Mathematics *C*). Professor BYERLY.†

Lectures and Field work in Geology (Geology 4 and 5). Professor SHALER and Dr. HARRIS.

{ **Experimental Physics** (Physics *B*), Asst. Professor HALL,
or **Experimental Chemistry** (Chemistry *B*),* Dr. HUNTINGTON.

* Candidates who propose to take this course must offer at their examination for admission either Experimental Physics or Chemistry.

† See foot-note on p. 212.

SECOND YEAR.

Translation, Reading at Sight and Composition of German (German 1a, 1b, or 1c). Assoc. Professor BARTLETT, Asst. Professor von JAGEMANN, or Mr. NICHOLS.

Differential and Integral Calculus (Mathematics 2). Professor BYERLY.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Experimental Physics (Physics C). Mr. SABINE.

Freehand or Mechanical Drawing (Fine Arts 1 or Engineering 1). Asst. Professor MOORE, or Messrs. WAIT and JOHNSON.

THIRD YEAR.

Translation, Reading at Sight and Composition of French (French 1a or 1b). Asst. Professor DE SUMICHEAST and Dr. MARCOU, or Asst. Professor SANDERSON and Dr. MARCOU.

Qualitative Analysis (Chemistry 3). Professor H. B. HILL.

Elementary Zoölogy (Zoölogy 1). Professor MARK.

Elementary Botany (Botany 1). Professor GOODALE.

Also two other courses chosen by the student with the approval of the department selected.

FOURTH YEAR.

In the fourth year the student will pursue a course of study which meets the approval of the department which he has already selected.

Students who complete this course and pass the required examinations will receive the degree of Bachelor of Science.

DEGREES.

THE DEGREE OF BACHELOR OF SCIENCE. — The degree of BACHELOR OF SCIENCE will be conferred upon any student who has fulfilled the above requirements in Civil Engineering, Chemistry, Geology, Biology or Electrical Engineering. The grades of the degree of Bachelor of Science are *cum laude*, *magna cum laude*, and *summa cum laude*.

The grade of the degree and the course of study for which the degree is given will be specified in the Diploma.

The requisitions for the degree of DOCTOR OF SCIENCE, are stated on pp. 244, 245.

† See foot-note on p. 212.

REDUCTION OF THE COURSE TO THREE YEARS.

If a student has anticipated studies amounting to a substantial portion of the work of the first year, and desires to fulfil the requirements for the degree in three years, he may apply to the Faculty for leave so to do, specifying in his application the manner in which he proposes to arrange his studies for that purpose. The Faculty will decide on such applications according to the circumstances in each case.

Instruction in other Departments of the University.

All students of the Scientific School may, if found competent, pursue any of the courses of instruction given in the other departments of the University, except exercises carried on in the special laboratories, without additional charge, but this provision does not apply to Special Students unless they pay the full tuition fee of \$150.

SCHOLARSHIPS.

Eight University Scholarships, of the annual value of one hundred and fifty dollars each, have been established in the Scientific School. They are assigned at the beginning of each academic year to meritorious students standing in need of such assistance, who have been in the School the whole of the preceding year, and propose to remain in it the whole of the ensuing year. The award is made by the Corporation on the recommendation of the Faculty. One third of the annual value of the Scholarships is paid at the time of the award, one third on January 12, and one third on April 12 following. Applications for these scholarships must be addressed, in writing, to the Dean, by the 1st of June.

There are also scholarships in the Scientific School, not exceeding eight at any one time, of the annual value of one hundred and fifty dollars each, for the benefit of graduates of reputable Normal Schools in the United States. The incumbents are originally appointed for one year on the recommendation of the principals of the schools from which they have been severally graduated; these appointments may be annually renewed on the recommendation of the Faculty of the Scientific School.

FELLOWSHIPS.

Graduates of the Scientific School may be appointed to the Parker Fellowships, the John Thornton Kirkland Fellowship, the Morgan Fellowships, and the John Tyndall Scholarship.

Students in the Scientific School may also be appointed to the Kirkland Fellowship and Tyndall Scholarship, and, if graduates of Harvard College, to any of the above Fellowships or to the Harris Fellowship. For full information, see pp. 248-252.

PRIZES.

Students in the Lawrence Scientific School may compete for the Bowdoin Prizes, for full information in regard to which see pp. 179, 180.

FEES AND EXPENSES.

The tuition fee for the academic year in any of the above departments or courses is \$150.

The tuition fees for candidates for the degree of Doctor of Science are stated on pp. 256-258.

The other expenses of a student for an academic year, clothing and washing not being included, may be estimated as follows:—

Room	\$30 to \$100
Board for thirty-eight weeks	114 to 304
Books	20 to 25
Fuel and lights	15 to 35
Total	<u>\$179 to \$464</u>

The tuition fee for a student taking a partial course is the same as in Harvard College (see pp. 196, 197).

Students in the Scientific School may join the Harvard Dining Association, and board at cost at Memorial Hall.* They may obtain rooms in the College buildings by applying to the Bursar, either by mail or in person; but all students living in College rooms are subject to the regulations of the Parietal Committee, in the same manner as undergraduates of Harvard College. See pp. 198-200.

Students in Chemistry are supplied with all needed apparatus, but are required to restore it in as good condition as when received. They are charged for all damage or breakage, and also from ten to thirty dollars per annum for chemicals and use of apparatus.

Students in Engineering provide their own drawing materials.

The Hemenway Gymnasium, the Scientific School Library, and the College Library are open to members of this School without extra charge.

The term-bills are issued December 22, March 22, and one week before Commencement, and are to be paid respectively on or before January 12, April 12, and October 10; but the third bills of candidates for degrees must be paid at least one day before Commencement. When a student severs his connection with the School his whole bill becomes payable at once.

* For board at the Foxcroft Club, see p. 196.

A student who joins the Lawrence Scientific School after the beginning of the academic year will be charged for instruction from the beginning of the third in which he joins. One who leaves during the year will be charged for instruction only to the end of the third in which he leaves, if before that time he gives written notice of his withdrawal to the Dean; otherwise he will be charged for instruction to the end of the third in which such written notice is given. The first third begins at the beginning of the academic year and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

BONDS.

Every student must file a bond with the Bursar in the sum of \$200, signed by two bondsmen, one of whom must be a citizen of the United States, as security for the payment of dues to the University; or he may deposit with the Bursar \$200 in money or in United States bonds for the same purpose; or he may deposit \$50 as security, and pay his tuition-fees in advance as follows: one third on or before October 1, one third on or before January 1, and one third on or before April 1.

Every student who takes a College room or boards at Memorial Hall or at the Foxcroft Club must file a bond for \$400 or make a deposit of \$400, or, in addition to the requirements of the preceding paragraph, he may, if he occupies a College room, pay the full year's rent in advance, and, if he boards at Memorial Hall or at the Foxcroft Club, he may make a deposit as security for the payment of his board at the rate of \$5 a week. Interest is not allowed on deposits.

No officer or student of the University will be accepted as bondsman.

For further information address Professor N. S. SHALER, Dean of the Lawrence Scientific School, Cambridge, Mass.

THE GRADUATE SCHOOL.

ADMINISTRATIVE BOARD.

- JAMES MILLS PEIRCE, A.M., *Dean, and Perkins Professor of Astronomy and Mathematics.*
- WILLIAM W. GOODWIN, PH.D., LL.D., D.C.L., *Eliot Professor of Greek Literature.*
- GEORGE L. GOODALE, M.D., LL.D., *Fisher Professor of Natural History, and Director of the Botanic Garden.*
- JOHN TROWBRIDGE, S.D., *Rumford Professor and Lecturer on the Application of Science to the Useful Arts, and Director of the Jefferson Physical Laboratory.*
- CHARLES LORING JACKSON, A.M., *Professor of Chemistry.*
- EDWARD L. MARK, PH.D., *Hersey Professor of Anatomy.*
- EDWARD S. SHELDON, A.B., *Assistant Professor of Romance Philology.*
- DAVID G. LYON, PH.D., *Hollis Professor of Divinity.*
- EDWARD CHANNING, PH.D., *Assistant Professor of History.*
- FRANK W. TAUSSIG, LL.B., PH.D., *Assistant Professor of Political Economy.*

RESIDENT STUDENTS IN 1891-92.

NAME.	HOME RESIDENCE.	PRESENT ADDRESS.
Anderson, Gustaf Bernhard, A.B. (<i>Augustana Coll.</i>) 1888, A.B. (<i>Harvard Univ.</i>) 1891. I. yr. English 8 hf., 9 hf., 15 hf.; Philos. 2, 20a; Hist. 28 hf., 29 hf., 20III.	Chicago, Ill.	861 Main St.
Angell, James Rowland, A.B. (<i>Univ. of Michigan</i>) 1890, A.M. (<i>Ibid.</i>) 1891. I. yr. Philos. 20a (for two courses), 20b (for two courses).	Ann Arbor, Mich.	5 Felton St.
Ashton, Joseph Nickerson, A.B. (<i>Brown Univ.</i>) 1891. I. yr. English 15 hf.; Comp. Lit. 2; Music 1, 2, 3 hf.	Salem,	336 Essex St., Salem.
Ayer, Clarence Walter, A.B. 1885, A.M. 1888. V. yr.	Cambridge,	T. 68.
Babbitt, Frank Cole, A.B. 1890. II. yr. Class. Philol. 22 hf., 26; English 12.	Cambridge.	M. 26.
Bailey, Frederick Harold, A.B. 1887, A.M. 1889. IV. yr. Instructor in Mathematics, Mass. Inst. of Tech. Math. 20b.	Cambridge,	28 Putnam Ave.

- Bakewell, Charles Montague,** *Riverside, Cal.* 735 Cambridge St.
A.B. (*Univ. of California*) 1889, A.M. (*Ibid.*) 1891. I. yr. Thayer Scholar.
Philos. 2, 6 *hf.*, 8 *hf.*, 20a, 20b.
- Ball, Francis Kingsley,** *Cambridge,* 13 Sumner St.
A.B. (*Drury Coll.*) 1887, A.B. (*Harvard Univ.*) 1890, A.M. 1891. II. yr. University Scholar. Greek 9 *hf.*; Latin 11; Class. Philol. 21, 25 *hf.*; Class. Seminary.
- Barnes, William David,** *Blue Grass, Ia.* 52 Mt. Auburn St.
A.B. (*Northwestern Univ.*) 1891. I. yr. Greek 8; Latin 6 *hf.*, 8 *hf.*, 11; Class. Philol. 20.
- Bates, James Edward,** *Cambridge,* 19 Church St.
A.B. 1884. I. yr. Semitic 4, 6 *hf.*, 7, 12, 13.
- Bates, William Nickerson,** *Cambridge,* 56 Dana St.
A.B. 1890, A.M. 1891. II. yr. Townsend Scholar. Greek 13; Class. Philol. 21, 24 *hf.*, 25 *hf.*; Class. Seminary; Sanskrit 1.
- Battle, William James,** *Chapel Hill, N. C.* M. 35.
A.B. (*Univ. of North Carolina*) 1888, A.M. (*Ibid.*) 1889, Ph.D. (*Ibid.*) 1890, A.M. (*Harvard Univ.*) 1891. II. yr. Morgan Fellow. Greek 7 *hf.*, 10; Class. Philol. 20, 22 *hf.*, 25 *hf.*; Class. Seminary.
- Beach, Walter Greenwood,** *Cambridge,* 74 Sacramento St.
A.B. (*Marietta Coll.*) 1888, A.B. (*Harvard Univ.*) 1891. I. yr. University Scholar. Philos. 20a, 20d; Hist. 9, 28.
- Brigham, Albert Perry,** *Utica, N. Y.* 10 Mellen St.
A.B. (*Madison, now Colgate, Univ.*) 1879, A.M. (*Ibid.*) 1882. I. yr. Professor Elect of Natural History, Colgate Univ. Philos. 3; Botany 1 *hf.*; Zoölogy 1 *hf.*; Geology 8, 14, 22.
- Brown, Carroll Neidé,** *Cambridge,* H. 11.
A.B. 1891, A.M. 1891. I. yr. University Scholar. Greek 9 *hf.*; Class. Philol. 20, 21, 25 *hf.*; Class. Seminary.
- Brown, Harry Fletcher,** *Natick,* S. 12.
A.B. 1890. II. yr. James Savage Scholar. Assistant in Chemistry. Chem. 20a (for four courses).
- Brown, William Garrott,** *Marion, Ala.* C. 55.
A.B. (*Howard Coll., Ala.*) 1886, A.B. (*Harvard Univ.*) 1891. I. yr. Ozias Goodwin Memorial Fellow. Hist. 5, 7, 20III (for two courses); Fine Arts 4 (*extra*).
- Burbank, John Cabell Breckinridge,** *Henderson, Ky.* 736 Cambridge St.
A.B. 1889, A.M. 1891. II. yr. Hist. 12, 20f, 23.
- Bush, Wendell T.,** *Brooklyn, N. Y.* 96 Ellery St.
A.B. (*Brooklyn Pol. Inst.*) 1890. I. yr. German 5; Germ. Philol. 19 *hf.*; Philos. 2, 3; Hist. 4; Botany 1 *hf.*; Zoölogy 1 *hf.*
- Cabeen, Charles William,** *Milwaukee, Wis.* 56 Mt. Auburn St.
S.B. (*Univ. of Wisconsin*) 1882, M.L. (*Ibid.*) 1883. I. yr. University Scholar. German 8, 9 *hf.*, 20a; Germ. Philol. 14 *hf.*, 15 *hf.*; French 4 *hf.*, 9.
- Cabot, Godfrey Lowell,** *Cambridge,* 15 Brewster St.
A.B. 1882. I. yr. Chem. 5 (*extra*), 20c; Geology 18.

- Caffey, Francis Gordon, *Verbena, Ala.* C. 55.
A.M. (*Howard Coll., Ala.*) 1887, A.B. (*Harvard Univ.*) 1891. I. yr. University Scholar. Assistant in History. Hist. 13, 20III. (for two courses), 26.
- Calvert, Sidney, *Rochdale, Eng.* 7 Orchard St.,
B.App.Sc. (*McGill Univ.*) 1890. II. yr. Chem. 20 (for [No. Cambridge. three courses]); Botany 2 hf., 4 hf.
- Campbell, George Ashley, *Derry, N. H.* 56 Mt. Auburn St.
S.B. (*Mass. Inst. of Tech.*) 1891. I. yr. Shattuck Scholar. Math. 8, 10, 11, 12 hf.; Physics 4, 5, 6 hf.
- Campbell, Walter Webster, *Concord Junction, Concord Junction.*
D.B. (*Andover Theol. Sem.*) 1890. I. yr. Semitic 13; English 10 hf., 13 hf.; Geology 9, 14.
- Cannon, William Morgan, *Hyde Park, S. 16.*
A.B. 1891. I. yr. University Scholar. Latin 11; Class. Philol. 20, 21; Class. Seminary; Italian 1 (*extra*).
- Carter, Benjamin Edward, Jr. *Warren, Conn.* Warland Block 3.
A.B. 1890. I. yr. University Scholar. Proctor. Math. 6, 10, 11; Physics 5.
- Cauthorne, Edward Everett, *Austin, Texas, D. 33.*
S.B. (*Univ. of Texas*) 1891. I. yr. Thayer Scholar. Chem. 2 (*extra*); Botany 2 hf. (*extra*); Zoölogy 1 hf. (*extra*), 2 hf. (*extra*), 3; Geology 8.
- Chamberlain, George Augustus, *Woonsocket, R. I.* 61 Oxford St.
A.B. 1891. I. yr. Assistant in Physics. Math. 2; Physics 3.
- Chase, Allan McCleery, *Cambridge, 107 Lambert Ave.*
A.B. 1890. I. yr. Polit. Econ. 2, 3, 6 hf., 8 hf.; Hist. [13], 15.
- Chester, Frank Dyer, *Boston, Hotel Bristol, Boston.*
A.B. 1891. I. yr. Shattuck Scholar. Semitic 3¹ hf., 3² hf., 4, 8, 14 hf., 16; New Test. 2; Spanish 1; Hist. 4² hf.
- Clendenin, William Wallace, *Mexico, Mo. D. 33.*
S.B. (*Missouri State Univ.*) 1886, S.M. (*Ibid.*) 1889. I. yr. Assistant in Geology, Missouri State Univ. Chem. 7 (for two courses); Geology 12 (for two courses); also Geology 8, 18, 22 (*all extra*).
- Clifford, Harry Ellsworth, *Boston, Mass. Inst. of Tech.*
S.B. (*Mass. Inst. of Tech.*) 1886. II. yr. Instructor in Physics, Mass. Inst. of Tech. Physics 9.
- Clough, Albert Lucien, *Manchester, N. H.* 190 W. Brookline
S.B. (*Mass. Inst. of Tech.*) 1891. I. yr. Philos. 2; Math. 8, 10; [St., Boston. Physics 20c.
- Clow, Frederick Redman, *Northfield, Minn. T. 29.*
A.B. (*Carleton Coll.*) 1889, A.B. (*Harvard Univ.*) 1891. I. yr. Thayer Scholar. Proctor. Polit. Econ. 7, 20; Hist. 27, 30 hf., 31 hf., 32.
- Coggeshall, George Whitely, *Des Moines, Ia. cor. Kirkland and*
S.B. (*Iowa Coll.*) 1890. I. yr. Chem. 5 (for two courses), [Irving Sts. 6 (for two courses).
- Collie, George Lucius, *Delavan, Wis. 11 Wendell St.*
Ph.B. (*Beloit Coll.*) 1881, A.M. (*Harvard Univ.*) 1891. II. yr. Morgan Fellow. Geology 18, 20, 23, 24.

- Converse, Charles Henry, *Newton*, Hilton Block 18.
A.B. 1884. I. yr. Sanskrit 1; Greek 8; Latin 11; Class. Philol. 20; Philos. 3.
- Cornelison, Robert Wilson, *Washington, Ill.* 378 Harvard St.
S.B. (*Univ. of Illinois*) 1890. I. yr. Chem. 6, 8 *hf.* (*extra*), 20 (for three courses).
- Cummings, Arthur Mark, *Cambridge*, W. 35.
A.B. 1887. I. yr. Semitic 7; Philos. 3, 4.
- Cummings, John, *Lynn*, G. 35.
A.B. 1891. I. yr. University Scholar. Polit. Econ. 3, 5 *hf.*, 6 *hf.*, 8 *hf.*, 20;
Hist. 27; Fine Arts 4.
- Currier, Charles Francis Adams, *E. Kingston, N. H.* Mass. Inst. of Tech.
A.B. 1887, A.M. 1888. V. yr., III. yr. as Resident Student. Instructor in Political
Science, Mass. Inst. of Tech. Hist. 20*d* (as a half-course.)
- Davenport, Charles Benedict, *Cambridge*, 8 Harris St., No.
S.B. (*Brooklyn Poly. Inst.*) 1886, A.B. (*Harvard Univ.*) 1889, [Cambridge].
A.M. (*Ibid.*) 1890. III. yr. Instructor in Zoölogy. Zoölogy 20*a*.
- Davenport, Ira William, *Jacksonville, Ill.* 60 Wendell St.
A.B. (*Illinois Coll.*) 1885, A.M. (*Yale Univ.*) 1890. I. yr. English 1, 2, 3¹ *hf.*,
3² *hf.*, 13 *hf.*, 15 *hf.*, 17 *hf.*
- Davis, Thompson Trueman, *Oxford, N. S.* 852 Main St.
A.B. (*Mt. Allison Coll.*) 1874, A.B. (*Harvard Univ.*) 1891. II. yr. Townsend
Scholar. Math. 5, 6, 8; Physics C.
- Dempsey, William Theobald, *Lansing, Ia.* 56 Mt. Auburn St.
A.B. (*N. Ind. Normal Univ.*) 1886. I. yr. Instructor in English, Holy Ghost
Coll., Pa. English 1, 2, 3¹ *hf.*, 3² *hf.*, 16 *hf.*; Italian 1; Fine Arts 4.
- Denison, William Kendall, *Newtonville*, Newtonville.
A.B. (*Tufts Coll.*) 1891. I. yr. Greek 8; Latin 6¹ *hf.*, 6² *hf.*, 7 *hf.*, 8¹ *hf.*, 8² *hf.*,
11; Class. Philol. 20, 22 *hf.*
- Dewart, Frederick Wesley, *St. Paul, Minn.* C. 56.
A.B. (*Hamline Univ.*) 1888, A.B. (*Harvard Univ.*) 1890. II. yr. Townsend
Scholar. Botany 20*b* (for four courses).
- Dewart, William Herbert, *Cambridge*, Lawrence Hall.
A.B. (*Kenyon Coll.*) 1887. I. yr. Student, Episcopal Theol. School; Instructor in
Belmont School. Semitic 13.
- Dickinson, Henry Nash, *Granby*, 61 Oxford St.
A.B. (*Amherst Coll.*) 1889. I. yr. Instructor in English, Mass. Inst. of Tech.
English 9 *hf.*
- Dodge, Richard Elwood, *Wenham*, S. 22.
A.B. 1890. II. yr. Assistant in Geology. Geology 12, 14, S 3 *hf.*, 22 *hf.*
- DuBois, William Edward Burghardt, *Gt. Barrington*, 20 Flagg St.
A.B. (*Fisk Univ.*) 1888, A.B. (*Harvard Univ.*) 1890, A.M. (*Ibid.*) 1891. II. yr.
Henry Bromfield Rogers Memorial Fellow. Polit. Econ. 3; Hist. 20*III.*, 28 *hf.*,
29 *hf.*, 30 *hf.*, 31 *hf.*
- Duff, Edward Macomb, *Waterloo, N. Y.* Belmont Sch., Belmont.
A.B. (*Hobart Coll.*) 1888, A.B. (*Harvard Univ.*) 1889, A.M. (*Hobart Coll.*) 1891,
D.B. (*Episc. Theol. School*) 1891. II. yr. Instructor in Belmont School.
Philos. 20*b*.

- Eastman, Charles Rochester, *St. Paul, Minn.* Read's Block 4.
A.B. 1890, A.M. 1891. II. yr. University Scholar. Proctor. Assistant Geologist
U. S. Geol. Survey. Chem. 2; Geology 12, 15, 20b; Geology 22 (*extra*).
- Endicott, William Crowninshield, Jr. *Salem,* 23 Court St., Boston.
A.B. 1883. I. yr. Hist. 20III.
- Fitzhugh, Edward Fuller, *Mt. Morris, N. Y.* 13 Bow St.
A.B. 1891. I. yr. Physics 1; Chem. 1, 2; Geology 4 *h.f.*, 5 *h.f.*, 8 (field work, *h.f.*),
22 (field work, *h.f.*).
- Flint, Grover, *Barnstable,* 896 Main St.
A.B. 1888. I. yr. Spanish 3; Polit. Econ. 1, 5 *h.f.*, 6 *h.f.*; Hist. 13 *h.f.*, 15.
- Foley, William Hahn, *Lincoln, Ill.* 12 Putnam Ave.
A.B. (*Kenyon Coll.*) 1891. I. yr. English 3^d *h.f.*, 3^d *h.f.*; Polit. Econ. 4, 7; Hist. 13.
- Foster, Herbert Darling, *Winchenden,* Hilton Block 23.
A.B. (*Dartmouth Coll.*) 1885, A.M. (*Ibid.*) 1888. I. yr. Morgan Fellow. Greek
10; Hist. 7, 20a, 26; Fine Arts 4.
- Franklin, William Suddards, *Severance, Kan.* 44 Mt. Auburn St.
S.B. (*Univ. of Kansas*) 1887, S.M. (*Ibid.*) 1888. I. yr. Morgan Fellow. Asst. Prof. of
Physics, Univ. of Kansas. Math. 6 (2d *h.f.*), 8, 10, 11; Physics 9, 10, 20a.
- Fulton, Edward, *Lower Stewiacke, N.S.* 1586 Cambridge St.
A.B. (*Dalhousie Univ.*) 1889, A.B. (*Harvard Univ.*) 1891. I. yr. Shattuck Scholar.
English 1, 3^d *h.f.*, 8 *h.f.*, 15 *h.f.*; Germ. Philol. 13; Rom. Philol. 7 *h.f.*
- Garrett, Alfred Cope, *Philadelphia, Pa.* 9 Francis Ave.
A.B. (*Haverford Coll.*) 1887, A.B. (*Harvard Univ.*) 1889, A.M. (*Ibid.*) 1891. III. yr.
English 2, 17 *h.f.*
- Garrison, Charles, *Brookline,* 6 Appian Way.
S.B. (*Mass. Inst. of Tech.*) 1891. I. yr. Philos. 1; Polit. Econ. 1; Fine Arts 4;
Math. 1 *h.f.*, 10; Botany 1 *h.f.*
- George, Nathan Richard, Jr. *Mendon,* S. 5.
A.B. 1890, A.M. 1891. II. yr. Instructor in Mass. Inst. of Tech. Physics 3.
- Gerrodette, Frank Honoré, *Brooklyn, N. Y.* 44 Langdon St.
A.B. 1891. I. yr. Amer. Archæol. and Eth. (for four courses); Spanish 1 (*extra*);
Engineer. 2 (*extra*).
- Goodwin, Harry Manley, *Roxbury,* Mass. Inst. of Tech.
S.B. (*Mass. Inst. of Tech.*) 1890. II. yr. Assistant in Physics, Mass. Inst. of Tech.
Physics 9.
- Greene, Evarts Boutell, *Cambridge,* 11 Appian Way.
A.B. 1890, A.M. 1891. II. yr. Thayer Scholar. Assistant in History. Hist. 7,
9, 20e, 22 *h.f.*, 27.
- Griswold, Leon Stacy, *Dorchester,* 238 Boston St., Dor-
A.B. 1889. I. yr. Geology 20a, 20b, 20c, 20d. [chester.
- Gulick, Charles Burton, *Brooklyn, N. Y.* H. 11.
A.B. 1890, A.M. 1891. II. yr. Shattuck Scholar. Class. Philol. 20, 21, 24 *h.f.*,
25 *h.f.*; Class. Seminary.
- Harris, Henry Hale, *Lowell,* C. 20.
A.B. 1891. I. yr. English 5; Philos. 2; Polit. Econ. 3; Fine Arts 4; Geology 14.

- Harris, William Fenwick,** *Malden,* T. 22.
A.B. 1891. I. yr. University Scholar. Greek 8, 10; Latin 8; Class. Philol. 22 hf.; Italian 4; Comp. Lit. 1.
- Hastings, Horatius Bonar,** *Boston,* G. 47.
A.B. 1891. I. yr. English 5, 10 hf.; Fine Arts 1, 2, 4.
- Headle, Edwin Charles,** *Cambridge,* 51 Wallace St.
A.B. (*Tufts Coll.*) 1876, D.B. (*Ibid.*) 1880, A.M. (*Harvard Univ.*) 1891. I. yr. Philos. 12; Special work in continuation of Philos. 13 (for three courses).
- Henckels, Théodore,** *Cambridge,* 49 Wallace St.
S.B. (*Univ. of Ghent*) 1883. I. yr. Instructor in French. English 3^d hf.; Germ. Philol. 14 hf., 15 hf., 19 hf.
- Herman, Henry Newell,** *Roxbury,* S. 1.
A.B. 1890, A.M. 1891. II. yr. Assistant in Chemistry. Chem. 20b (for four courses).
- Hibberd, Dilworth Potts,** *Malvern, Pa.* 715 Cambridge St.
S.B. (*Haverford Coll.*) 1890, A.M. (*Ibid.*) 1891. I. yr. Shattuck Scholar. Math. 10, 13, 14, 17.
- Hill, William,** *Bloomington, Ind.* 17 Mellen St.
A.B. (*Kansas State Univ.*) 1890, A.B. (*Harvard Univ.*) 1891. I. yr. Henry Lee Memorial Fellow. Polit. Econ. 5 hf., 7, 20; Hist. 7, 20III., 28 hf., 29 hf.
- Hodder, Alfred LeRoy,** *New York, N. Y.* 21 Craigie St.
II. yr. Morgan Fellow. Philos. 20a (for three courses), 20b.
- Hoopes, Wilford Lawrence,** *Philadelphia, Pa.* Lawrence 3.
S.B. (*Univ. of Pennsylvania*) 1884, A.B. (*Harvard Univ.*) 1891. I. yr. Student, Episc. Theol. School. Philos. 20b.
- Hormell, William Garfield,** *Delaware, O.* 45 Trowbridge St.
A.B. (*Ohio Wesleyan Univ.*) 1889, S.B. (*Ibid.*) 1891. I. yr. University Scholar. French 4; Math. 4, 5; Physics 3, 5.
- Houston, David Frank,** *Spartanburg, S. C.* H'ke 7.
A.B. (*So. Carolina Coll.*) 1887. I. yr. Past Tutor of Ancient Languages, So. Carolina Coll. Polit. Econ. 2, 6 hf., 8 hf.; Hist. 20III., 26.
- Howard, William Guild,** *Boston,* C. 41.
A.B. 1891. I. yr. English 3^d hf., 3^d hf., 17 hf.; German 8; French 20; Fine Arts 4.
- Hull, Galen Downer,** *Charlestown, N. H.* 24 Mt. Auburn St.
Litt.B. (*Dartmouth Coll.*) 1890. I. yr. University Scholar. Geology 1 hf., 2 hf., 8, 12, 18, 22.
- Huntington, Harwood,** *Providence, R. I.* M. 29.
A.B. (*Trinity Coll.*) 1884. I. yr. Assistant in Chemistry. Chem. 5 (for one course), 20b (for three courses).
- Jacoby, James Ralph,** *New York, N. Y.* W. H. 36.
A.B. 1891. I. yr. Greek 10; Germ. Philol. 19 hf.; Philos. 2; Chem. 2, 2a (2d hf.), 4; Engineer. 7 hf.
- Jennings, Walter Louis,** *Cambridge,* 17 Maple Ave.,
A.B. 1889, A.M. 1890. III. yr. Assistant in Chemistry. [Cambridgeport. Chem. 20.

- Johnson, Jonathan Edward, *Nahant*, Lawrence 4.
A.B. 1891. I. yr. Student, Episc. Theol. School. Philos. 3.
- Johnson, Lorenzo Nickerson, *Evanston, Ill.* 11 Mellen St.
A.B. (*Wesleyan Univ.*) 1884, A.M. (*Ibid.*) 1887. I. yr. University Scholar.
Botany 20a (for two courses), 20b (for two courses).
- Kelly, Harry McCormick, *Lewistown, Pa.* G. 43.
A.B. (*Bucknell Coll.*) 1888, A.M. (*Ibid.*) 1891. II. yr. Assistant in Zoölogy.
Botany 20b; Zoölogy 4 hf., 5 hf.
- Kendrick, Arthur, *Newton*, 45 Hunnewell Ave.,
A.B. (*Amherst Coll.*) 1887, A.M. (*Harvard Univ.*) 1891. II. yr. [Newton].
Thayer Scholar. Math. 10, 11; Physics 4, 8 hf.; Shop-work;
Astronomy.
- Kershaw, Francis Stewart, *Columbus, O.* C. 23.
Ph.B. (*Ohio State Univ.*) 1891. I. yr. English 1, 3¹ hf., 3² hf., 13 hf., 17 hf.;
Fine Arts 4.
- Kiesewetter, Louis Frank, *Columbus, O.* 55 Trowbridge St.
C.E. (*Ohio State Univ.*) 1891. I. yr. English 3¹ hf., 3² hf.; German 8; Polit.
Econ. 1; Hist. 5.
- Kitchin, William C. *Arlington*, Cor. Park & Florence Aves.,
A.B. (*Syracuse Univ.*) 1882, A.M. (*Ibid.*) 1884, Ph.D. [Arlington Heights].
(*Ibid.*) 1885. IV. yr. Comp. Lit. 1; Fine Arts 4, 20
(for two courses); Italian 4 (*extra*); Comp. Lit. 2 (*extra*).
- Knowlton, Pitt Gordon, *Cambridge*, 56 Mt. Auburn St.
A.B. (*Oberlin Coll.*) 1890. I. yr. Philos. 2, 4, 6 hf., 13 hf.; Polit. Econ. 3;
Math. 2.
- Kofoid, Charles Atwood, *Normal, Ill.* 56 Mt. Auburn St.
A.B. (*Oberlin Coll.*) 1890. I. yr. University Scholar. French 4; Botany 2 hf.,
3, 4 hf.; Zoölogy 3, 4 hf., 5 hf., 20a (for a half course).
- Kummel, Henry Barnard, *Milwaukee, Wis.* 58 Hammond St.
A.B. (*Beloit Coll.*) 1889. I. yr. Assistant in Geology. Chem. 2; Geology 9,
20, 22; Thesis in Geol. S. 3 (for a full course).
- Ladd, George Edgar, *Bradford*, Bradford.
A.B. 1887, A.M. 1888. III. yr. Thayer Scholar. Geology.
- Laws, Frank Arthur, *Brockton*. Mass. Inst. of Tech.
S.B. (*Mass. Inst. of Tech.*) 1889. I. yr. Instructor in Physics, Mass. Inst. of Tech.
Math. 10.
- Lee, Thomas George, *New Haven, Conn.* 26 Mellen St.
S.B. (*Univ. of Pennsylvania*) 1886, M.D. (*Ibid.*) 1886. I. yr. Thayer Scholar.
Zoölogy 1 hf. (*extra*), 3 (*extra*), 4 hf. (*extra*), 5 hf. (*extra*), 20a (for four courses).
- Long, Augustus White, *Chapel Hill, N. C.* H'ke 7.
A.B. (*Univ. of North Carolina*) 1885, A.M. Hon. (*Trinity Coll., N. C.*) 1889,
A.M. (*Harvard Univ.*) 1891. II. yr. Proctor. Townsend Scholar. English 1,
3¹ hf., 3² hf., 15 hf.; Special work in English (for one full course); Rom. Philol. 3.
- Love, James Lee, *Chapel Hill, N. C.* 44 Langdon St.
Ph.B. (*Univ. of North Carolina*) 1884, A.M. (*Harvard Univ.*) 1890. III. yr.
Instructor in Mathematics. Math. 17.

- McCollow, Edward Davidson, *Boston*, C. 9.
A.B. 1891. I. yr. University Scholar. Greek 9 hf.; Latin 11; Class. Philol. 20, 23 hf.; Class. Sem.
- McCulloch, Hugh, Jr., *Howardsville, Va.* W. H. 59.
A.B. 1891. I. yr. English 3¹ hf., 3² hf., 13 hf., 15 hf., 20; Italian 4.
- McDermid, Duncan, *Grand Rapids, Mich.* D. 22.
A.B. 1891. I. yr. English 5; Philos. 2, 11; Polit. Econ. 3; Fine Arts 4.
- McElfresh, William Edward, *Jacksonville, Ill.* 60 Wendell St.
A.B. (*Illinois Coll.*) 1888. I. yr. German 1c; French 4; Math. C, D hf., 2, 12 hf.
- Macleod, Frederick Joseph, *Charlottetown Royalty, P.E.I.* 96 Inman St.
A.B. (*Dalhousie Univ.*) 1890, A.B. (*Harvard Univ.*) 1891. I. yr. Shattuck Scholar. English 1, 3² hf., 8 hf., 15 hf.; Germ. Philol. 13; Italian 1; Rom. Philol. 3.
- Manning, Richard Clarke, Jr. *Salem*, W. 51.
A.B. 1888. I. yr. Charles Haven Goodwin Scholar. Sanskrit 1; Latin 11; Class. Philol. 22 hf., 25 hf.; Class. Seminary.
- Mansfield, Arthur Newhall, *Wakefield*, Mass. Inst. of Tech.
S.B. (*Mass. Inst. of Tech.*) 1891. I. yr. Assistant in Physics, Mass. Inst. of Tech. Math. 11, 13.
- Marsh, Melville Asbury, *Rochester, N. H.* G. 45.
A.B. 1891. I. yr. English 1, 2, 3¹ hf., 3² hf., 9 hf.; Fine Arts 4.
- Mathie, Karl, *Wausau, Wis.* 58 Hammond St.
S.B. (*Lawrence Univ., Wis.*) 1891. I. yr. English 10 hf.; Philos. 3, 4; Polit. Econ. 3; Hist. 7.
- Mead, Glenn Clayton, *Corry, Pa.* H. 28.
A.B. 1891. I. yr. English 6 hf.; Polit. Econ. 2, 6 hf., 8 hf., 20; Hist. 10, 13, 15.
- Mezes, Sidney Edward, *San Francisco, Cal.* Felton Building 11.
S.B. (*Univ. of California*) 1884, A.B. (*Harvard Univ.*) 1890, A.M. (*Ibid.*) 1891. III. yr. Philos. 3, 20a, 20b, 20d.
- Miller, Dickinson Sergeant, *Philadelphia, Pa.* 12 Kirkland Pl.
Univ. of Pennsylvania, Clark Univ. II. yr. Walker Fellow. English 5; Philos. 10, 20a, 20b.
- Morey, Edward Clark, *Baldwinsville, N. Y.* Hilton Block 23.
A.B. (*Syracuse Univ.*) 1884, A.M. (*Ibid.*) 1887, A.B. (*Harvard Univ.*) 1891. II. yr. University Scholar. Proctor. Greek 7 hf., 8, 10; Latin 7 hf., 8¹ hf.; Class. Sem.
- Morton, Edward Payson, *Mattoon, Ill.* 60 Wendell St.
A.B. (*Illinois Coll.*) 1890. I. yr. English 1, 3¹ hf., 3² hf., 8 hf., 9 hf., 15 hf.; German 6 hf.; French 4.
- Nash, Nathaniel Cushing, *Cambridge*, 19 Craigie St.
A.B. 1884. III. yr. Greek 10; Botany 2 hf., 4 hf., 20a (for two courses).
- Nelson, Aven, *Laramie, Wy.* 46 Springfield St.,
A.B. (*Missouri State Normal School*) 1883, S.M. (*Drury Coll.*) [Somerville]. 1890. I. yr. University Scholar. German 1a; Chem. 1; Botany 3, 20a; Zoölogy 3.
- Nichols, George, *Boston*, 395 E. Fifth St.,
A.B. 1883. I. yr. Assistant in Private School. Botany 20a. [So. Boston.

- Nickerson, Winfield Scott, *Cotuit*, Little's Block 19.
S.B. 1890. II. yr. Assistant in Zoölogy. Proctor. Zoölogy 20a (for two courses).
- Olney, Warren, Jr. *Oakland, Cal.* 23 Irving St.
A.B. (*Univ. of California*) 1891. I. yr. German A; Polit. Econ. 2, 5 hf., 6 hf., 20; Hist. 13; Roman Law.
- Painter, George Stephen, *Summitville, Ind.* 11 Mellen St.
Ph.B. (*Boston Univ.*) 1891. I. yr. Semitic 12; French A; Philos. 3, 10, 12.
- Peabody, Charles, *Germantown, Pa.* M. 35.
A.B. (*Univ. of Pennsylvania*) 1889, A.M. (*Harvard Univ.*) 1890. III. yr. Sanskrit 2; Class. Seminary.
- Peirce, George James, *Cambridge*, 686 Main St.
S.B. 1890. II. yr. Assistant in Botany. English 10 hf.; Botany 20a.
- Phelps, William Lyon, *New Haven, Conn.* T. 54.
A.B. (*Yale Univ.*) 1887, A.M. (*Harvard Univ.*) 1891, Ph.D. (*Yale Univ.*) 1891. II. yr. Instructor in English. English 1, 15 hf., 17 hf., (all extra).
- Philips, Walter Everett, *Battleboro, N. C.* 22 Mt. Auburn St.
A.B. (*Univ. of No. Carolina*) 1881. II. yr. University Scholar. French A; Philos. 3, 4, 11, 12 (extra), 20a.
- Pierce, Archie Burton, *Berkeley, Cal.* 91 Auburn St.,
S.B. (*Univ. of California*) 1890. I. yr. Scholar of the [Cambridgeport.
Harvard Club of San Francisco. Math. 3, 6, 10, 11, 13.
- Pierce, Arthur Henry, *Westboro*, 10 Mellen St.
A.B. (*Amherst Coll.*) 1888. I. yr. Past Instructor in Mathematics, Amherst Coll.
Philos. 3, 20a (for three courses); Teachers' Course 4.
- Pierce, John Martin, *St. Louis, Mo.* 84 Hancock St.
A.B. (*Washington Univ.*) 1886, A.M. (*Harvard Univ.*) 1889. IV. yr. Philos. 20a.
- Powers, William Howard, *Perrysburgh, O.* 409 Broadway.
A.B. (*Miami Univ.*) 1891. I. yr. Greek 9 hf., 10; Latin 3 hf., 4 hf., 7 hf., 8¹ hf.;
Class. Philol. 20, 25 hf., 26.
- Pringle, Ralph W. *Norwood, N. Y.* 65 Columbus Ave.,
S.B. (*St. Lawrence Univ.*) 1888. I. yr. English 1, 3² hf., [Somerville.
9 hf., 15 hf., 17 hf.; French A; Fine Arts 4.
- Proper, Emberson Edward, *Titusville, Pa.* 11 Appian Way.
A.B. (*Allegheny Coll.*) 1889. I. yr. English 8 hf., 10 hf.; Polit. Econ. 2; Hist.
20III., 27, 28 hf., 29 hf.; Fine Arts 4.
- Pyncheon, William Harry Chichelé, *Hartford, Conn.* D. 38.
A.B. (*Trinity Coll.*) 1890. II. yr. Botany 2 hf., 4 hf.; Zoölogy 1 hf., 2 hf.;
Geology 4 hf., 5 hf., 12.
- Reed, John Oren, *Ann Arbor, Mich.* 65 Oxford St.
Ph.B. (*Univ. of Mich.*) 1885. I. yr. University Scholar. English 13 hf.; Math.
C, 2, 4, 12 hf.; Physics 3, 5.
- Reisner, George Andrew, *Indianapolis, Ind.* S. 10.
A.B. 1889, A.M. 1891. II. yr. Assistant in Semitic. Semitic 3¹ hf., 3² hf., 8, 13,
14 hf., 20.

- Rich, Charles Averell, *Canton, N. Y.* M. 22.
A.B. (*St. Lawrence Univ.*) 1887, A.B. (*Harvard Univ.*) 1889. III. yr. Assistant in Physics. Math. 6 (*extra*), 8, 10; Physics 20.
- Roberts, Waters Dewees, *Boston,* Hotel Bristol, Boston.
A.B. (*Univ. of Pennsylvania*) 1884, A.B. (*Harvard Univ.*) 1885. II. yr. Assistant Rector, Trinity Church, Boston. Philos. 4.
- Robinson, Fred Norris, *Lawrence,* G. 6.
A.B. 1891. I. yr. Semitic 8; English 1, 3^d hf., 3^d hf., 15 hf.; Germ. Philol. 13; Rom. Philol. 3.
- Roe, Edward Drake, Jr. *Cambridge,* 70 Winthrop St.
A.B. (*Syracuse Univ.*) 1880, A.B. (*Harvard Univ.*) 1885, A.M. (*Ibid.*) 1886. V. yr. Instructor in Mathematics, Boston University. Math. 13.
- Roots, Logan Herbert, *Little Rock, Ark.* H. 20.
A.B. 1891. I. yr. Semitic 1; English 9 hf.
- St. John, William Henry, *Hartford, Conn.* 12 Appian Way.
A.B. (*Yale Univ.*) 1891. I. yr. German 1b; Math. 2; Math. course in L. S. S.
- Sanford, Louis Childs, *Bristol, R. I.* Lawrence 28.
A.B. (*Brown Univ.*) 1888. II. yr. Student, Episc. Theol. School. Semitic 5.
- Saunders, Charles Edward, *Ottawa, Canada,* 15 Shepard St.
A.B. (*Univ. of Toronto*) 1888, Ph.D. (*Johns Hopkins Univ.*) 1891. I. yr. Chem. 20 (for four courses).
- Shaw, James Curtis, *Stanhope, P. E. I.* 54 Mt. Auburn St.
A.B. (*Dalhousie Univ.*) 1887. I. yr. Shattuck Scholar. Greek 9 hf.; Latin 8th hf., 8th hf., 11; Class. Philol. 25 hf.; Class. Seminary.
- Slattery, Charles Lewis, *Cambridge,* Lawrence 10.
A.B. 1891. I. yr. Student, Episc. Theol. School. Philos. 3.
- Slocum, Allison Wing, *Dartmouth,* 19 Irving St.
A.B. (*Haverford Coll.*) 1888, A.M. (*Ibid.*) 1889, A.M. (*Harvard Univ.*) 1891. II. yr. Tyndall Scholar. Math. 11, 13, 20b; Physics 9, 10, 20a.
- Small, Fritz Hubert, *Melrose,* C. 62.
A.B. 1891. I. yr. University Scholar. Math. 6, 10, 13, 14; Physics 8 hf.
- Smith, Charles Alexander, *Syracuse, N. Y.* Little's Block 29.
A.B. (*Hobart Coll.*) 1888, A.M. (*Ibid.*) 1891. I. yr. Greek 6; Latin 6th hf., 7 hf., 8th hf., 11; Class. Philol. 20, 22 hf.; Teachers' Course 3.
- Smith, Herbert Scott, *Trenton, N. J.* 30 Irving St.
A.B. (*Univ. of Mich.*) 1891. I. yr. English 1, 2, 3^d hf., 3^d hf., 13 hf., 17 hf.
- Smyth, Delos DeWolf, *Clinton, N. Y.* 10 Dana St.
A.B. (*Hamilton Coll.*) 1890. I. yr. English 1, 2, 3^d hf., 3^d hf., 15 hf.
- Spencer, David Ellsworth, *Madison, Wis.* 46 North Ave.
L.B. (*Univ. of Wisconsin*) 1887, A.M. (*Harvard Univ.*) 1891. II. yr. Assistant in History. Polit. Econ. 2; Hist. 7, 20III., 32.
- Sturgis, Edward, *Manchester,* 9 Chestnut St.,
A.B. 1890. I. yr. Math. E hf.; Engineer. 1, 2. [Boston.]
- Tarr, Ralph Stockman, *Gloucester,*
S.B. 1891. I. yr. Assistant Geologist, U. S. Geol. Survey. Geol. 22.

- Tenney, William Lawrence, *Cleveland, O.* 26 Bigelow St.
A.B. (*Oberlin Coll.*) 1885, D.B. (*Oberlin Theol. Sem.*) 1888. I. yr. Thayer Scholar.
Polit. Econ. 2; Hist. 20III., 26, 27.
- Towne, George Warren, *Topsfield,* 23 Trowbridge St.
A.B. 1882. I. yr. Math. 2; Physics 3, 4, 5.
- Tunis, John, *Cambridge,* 265 Harvard St.
D.B. 1882, A.B. 1891. I. yr. Settled Clergyman, Cambridge. Philos. 3.
- Van Benschoten, William Crowell, *Evanston, Ill.* 11 Mellen St.
Ph.B. (*Northwestern Univ.*) 1891. I. yr. Chem. 2, 4a, 5, 8 hf.; Zoölogy 1 hf.
- Varney, Albert Watson, *Cambridge,* 220 Brattle St.
A.B. (*Middlebury Coll.*) 1886. I. yr. Math. 2; Physics C, 3.
- Vogel, Frank, *Boston,* Mass. Inst. of Tech.
A.B. 1887. III. yr. Instructor in Modern Languages, Mass. Inst. of Tech.
English 3^d hf., 3^d hf.; German 8; Germ. Philol. 14 hf., 19 hf.
- Wainwright, Robert, *Boston,* 100 Mt. Auburn St.
A.B. 1891. I. yr. Engineer. 2; Chem. 1; Zoölogy 1 hf., 2 hf.; Geology 12, 18, 22.
- Ward, Henry Baldwin, *Troy, N. Y.* 12 Farwell Pl.
A.B. (*Williams Coll.*) 1885. II. yr. Morgan Fellow. Zoölogy 20a (for four courses).
- Ward, Robert De Courcy, *Boston,* 21 Chestnut St.,
A.B. 1889. II. yr. Assistant in Physical Geography and Meteorology. [Boston.
Geology 20.
- Warren, William Homer, *Cambridge,* 34½ Shepard St.
A.B. 1889, A.M. 1891. II. yr. Thayer Scholar. Chemistry 20b (for four courses).
- Washburn, Henry Bradford, *Worcester,* Lawrence 11.
A.B. 1891. I. yr. Student, Episc. Theol. School. Polit. Econ. 3.
- Waterman, Walter Bowen, *Roxbury,* D. 30.
A.B. 1886, D.B. and A.M. 1891. I. yr. Philos. 12, 20b.
- Wentworth, Elmer Ellsworth, *Cambridge,* 63 Hancock St.,
A.B. 1882. I. yr. English 3^d hf., 3^d hf.; German 8; [Cambridgeport.
Germ. Philol. 13; Rom. Philol. 3.
- Westgate, Lewis Gardner, *Middletown, Conn.* 13 Mt. Auburn St.
A.B. (*Wesleyan Univ.*) 1890, A.B. (*Harvard Univ.*) 1891. I. yr. Assistant in
Geology. Assistant Geologist, U. S. Geol. Survey. Zoölogy 10 hf.; Geology
18, 22, 23, 24.
- Weyssse, Arthur Wisswald, *W. Roxbury,* H. 20.
A.B. 1891. I. yr. University Scholar. Botany 4 hf., 20a¹, 20a²; Zoölogy 3,
4 hf., 5 hf.
- White, Henry Kirke, *Lanark, Ill.* 17 Shepard St.
A.B. (*Beloit Coll.*) 1888. I. yr. Derby Scholar. Polit. Econ. 2, 6 hf., 8 hf.;
Hist. 13, 26.
- Whiting, Charles Allen, *New York, N. Y.* S. 3.
A.B. 1891. I. yr. Chem. 20d (for four courses).

- Wilde, Arthur Herbert, *Natick*, Natick.
A.B. (*Boston Univ.*) 1887, S.T.B. (*Ibid.*) 1891. I. yr. Semitic 3^d hf., 3^d hf., 4,
6 hf., 7, 13, 14 hf.
- Wilgus, James Alva, *Columbus, O.* 180 Prospect St.,
Ph.B. (*Ohio State Univ.*) 1888, A.M. (*Ibid.*) 1889. I. yr. [Cambridgeport.
Thayer Scholar. Polit. Econ. 6 hf., 8 hf.; Hist. 20III.
(for two courses), 27.
- Williams, Allen Hamilton, *Fort Wayne, Ind.* H'y 15.
Harvard Coll. I. yr. Semitic 16; Latin 6th hf.; English 5, 13 hf., 15 hf., 17 hf.;
French 20; Comp. Lit. 1.
- Willmott, Arthur Brown, *Toronto, Ont.* Little's Block 6.
A.B. (*Victoria Univ.*) 1887, S.B. (*Ibid.*) 1887, A.M. (*Harvard Univ.*) 1891. II. yr.
Toppan Scholar. Proctor. Chem. 20e; Geology 8, 12, 14, 18.
- Wood, Frank Hoyt, *Westbury, N. Y.* 54 Mt. Auburn St.
A.B. (*Syracuse Univ.*) 1891. I. yr. Polit. Econ. 2, 6 hf.; Hist. 20III., 26.
- Woods, James Houghton, *Boston*, 2 Chestnut St.,
A.B. 1887. I. yr. Student, Episc. Theol. School. Hist. 20a. [Boston.
- Woodworth, William McMichael, *Cambridge*, 149 Brattle St.
A.B. 1888, Ph.D. 1891. IV. yr. Instructor in Microscopical Anatomy. Zööl. 20a.

NON-RESIDENT STUDENTS IN 1891-92.

- | NAME. | HOME RESIDENCE. | PRESENT ADDRESS. |
|---|------------------------|----------------------|
| Chittenden, Jonathan Brace,
S.B. (<i>Worcester Poly. Inst.</i>) 1888, A.B. (<i>Harvard Univ.</i>) 1889, [7 Heuschestrasse.
A.M. (<i>Ibid.</i>) 1890. III. yr.; I. yr. as <i>Non-Resident Student</i> .
Kirkland Fellow. Mathematics. | <i>Brooklyn, N. Y.</i> | Königsberg, Germany. |
| Dorsey, George Amos,
A.B. (<i>Denison Univ.</i>) 1888, A.B. (<i>Harvard Univ.</i>) 1890. [Cr. Prof. F. W. Putnam,
II. yr.; I. yr. as <i>Non-Resident Student</i> . American [Cambridge.
Archaeology and Ethnology. | <i>Granville, O.</i> | Peru. |
| Gibson, Howard Beers,
A.B. 1888. I. yr. Parker Fellow. Chemistry. [Peterstr. 38, Treppe A ^{III} .
Rogers Fellow. Political Science. | <i>New York, N. Y.</i> | Leipzig, Germany. |
| Gray, John Henry,
A.B. 1887. IV. yr.; III. yr. as <i>Non-Resident Student</i> . [Novalisstrasse 3v.
Rogers Fellow. Political Science. | <i>Cambridge</i> , | Berlin, Germany. |
| Hale, Edward Everett, Jr.,
A.B. 1883. II. yr. Harris Fellow. Past Instructor in English, [13 Scharrengasse.
Cornell University. English and Germanic Philology. | <i>Boston</i> , | Halle, Germany. |
| Hartshorn, George Trumbull,
A.B. 1882, A.M. 1883. X. yr.; VI. yr. as <i>Non-Resident Student</i> . [7 Pleasant St.
Organic Chemistry. | <i>Taunton</i> , | Taunton. |
| Humphrey, James Ellis,
S.B. 1886. IV. yr.; III. yr. as <i>Non-Resident Student</i> . Professor of Vegetable
Physiology, Mass. Agricultural Experiment Station. | <i>Amherst</i> , | Amherst. |

- Owens, John Gundy, *Lewisburg, Pa.* Honduras.
 A.B. (*Bucknell Univ.*) 1887, A.M. (*Ibid.*) 1890. II. yr.; [Cr. Prof. F. W. Putnam,
 I. yr. as *Non-Resident Student*. Hemenway Fellow. [Cambridge.
 American Archaeology and Ethnology.
- Parker, George Howard, *Cambridge,* Leipzig, Germany.
 S.B. 1887, S.D. 1891. V. yr.; I. yr. as *Non-Resident* [8 Wintergartenstrasse.
Student. Parker Fellow. Past Instructor in Zoölogy. Zoölogy.
- Scott, James Brown, *Cambridge,* Berlin, Germany.
 A.B. 1890, A.M. 1891. II. yr.; I. yr. as *Non-Resident* [Cr. Mendelssohn & Co.
Student. Parker Fellow. International Law and [Cr. Mendelssohn & Co.
 Diplomacy.
- Walden, John William Henry, *Cambridge,* Berlin, Germany.
 A.B. 1888, A.M. 1889, Ph.D. 1891. IV. yr.; I. yr. as *Non-Resident* [25th Dessaustr.
Student. Rogers Fellow. Classical Philology.
- White, George Rantoul, *Wellesley Hills,* Exeter, N. H.
 A.B. 1886, A.M. 1887. IV. yr.; I. yr. as *Non-Resident Student*. Instructor at
 Phillips Academy, Exeter. Chemistry.
- Williams, Frank Beverly, *Cleveland, O.* Berlin, Germany.
 A.B. 1888, A.M. 1890. III. yr.; II. yr. as *Non-Resident* [63ath Jägerstrasse.
Student. Parker Fellow. Legal History and Jurisprudence.

SUMMARY.

NUMBER OF RESIDENT STUDENTS	176
NUMBER OF NON-RESIDENT STUDENTS	13
TOTAL	189

THE GRADUATE SCHOOL.

ADMISSION.

Applications for admission to the Graduate School are received, at any time, by the Faculty of Arts and Sciences; but it is generally advisable that they be presented, if possible, at the beginning of the academic year. Admission is ordinarily granted to Bachelors of Arts and Bachelors of Science of Harvard University; and to Graduates of other Colleges and Scientific Schools of good standing, who present satisfactory evidence of character and qualifications. Other persons, of suitable age and attainments, may also be admitted, by special vote of the Administrative Board of the Graduate School in each case.

An application may be made by filling out and depositing a registration blank at the office of the Secretary of the University, at No. 5, University Hall, Cambridge. If the applicant is not a graduate of Harvard University, he must also file at the same office, for the consideration of the Administrative Board, (1) if he holds any academic degree, a diploma, or official certificate, of his *graduation*, and (2) in any case, satisfactory certificates of *scholarship* and *character*. If he wishes to become a candidate for any degree, he may also be called upon for a *catalogue* of the institution at which he was graduated, or for a detailed account of his *past studies*, and for a statement concerning his course *since graduation*; and he should be prepared to furnish these additional documents on demand.

Persons intending to enter the Graduate School may apply for information at any time during the academic year by letter to *The Secretary of Harvard University*, No. 5, University Hall, Cambridge, Mass.

For conditions on which the *Degrees* of A.B., A.M., Ph.D., and S.D. are open to members of the Graduate School; see pp. 243-248. *Admission to the Graduate School does not necessarily involve admission to candidacy for a degree.*

RESIDENCE.

All persons registered as Resident Students in the Graduate School are required to pursue their studies at this University; and are expected to attend the exercises in some course or courses of instruction, and to perform all the required work (including examinations) in such courses; or to carry on regular work in some laboratory or museum or in the library, under the frequent inspection and criticism of instructors in the University.

Holders of travelling fellowships, pursuing their studies elsewhere with the sanction of the Faculty, are registered as Non-Resident Students in the Graduate School.

Students who are conducting special investigations which require their absence from the University, and those who have completed a period of residence at the University, and are carrying on actual studies with the purpose of becoming candidates for a degree, may also be allowed to register in the Graduate School as Non-Resident Students, under such conditions as may be imposed in each case.

The requirements of study and residence for the several degrees are stated below (pp. 245-248).

REGISTRATION AND REPORT.

Every Resident Student in the Graduate School and every applicant for admission to the School is expected to register at the beginning of each academic year, on *Thursday, the first day of the academic year*, at such place as may be designated by notice posted at University Hall. He must at the same time obtain authority at the same place, if he is to be in residence, to attend instruction in the University, and to file security with the Bursar.

Holders of travelling fellowships and other Non-Resident graduate students must register promptly by letter, having previously obtained the necessary blank by application to *The Secretary of Harvard University*.

Every student is required to enter in his registration papers, with other particulars there called for, a brief statement of his plan of study for the year; and also of his actual work for the preceding year, if he was then a member of the Graduate School.

A student who continues in the Graduate School for more than one year, with the expectation of applying for a degree, may also be called upon, or may think it desirable, to submit a detailed statement of his work for each year, at its close or at the beginning of the next year.

Holders of travelling fellowships and other non-resident graduate students are required to make each year a full report to the Faculty.

Any graduate student who alters his address or his plan of study, or who, if registered as resident, discontinues his residence at the University, or who engages in any regular occupation not stated by him in registering, or who in any way departs from the conditions under which he is understood to be studying, must give immediate written notice of the change to the Dean of the Graduate School. A Resident Student who wishes to be absent from the University during term-time must apply to the Dean for leave of absence.

A student who withdraws from the Graduate School in the course of an academic year is required to give immediate written notice to the Secretary of the University. No deduction from the full year's fees will be made in the case of a student withdrawing in the course of a year, unless he gives this notice.

COURSES OF INSTRUCTION AND OTHER OPPORTUNITIES OF STUDY.

In May of each academic year, the Faculty of Arts and Sciences issues an Announcement of the Courses of Instruction provided by that Faculty for the ensuing academic year. This list is arranged according to departments of study; which are, in the Announcement for 1891-92: The Semitic Languages and History; the Indo-Iranian Languages; Greek; Latin; Classical Philology; English; German; Germanic Philology; French; Italian; Spanish; Romance Philology; Comparative Literature; Philosophy; Political Economy; History; Roman Law; the Fine Arts; Music; Mathematics; Engineering; Physics; Chemistry; Botany; Zoölogy; Geology; and American Archaeology and Ethnology. Certain graduate courses at the Medical School are also recognized by the Faculty of Arts and Sciences as suitable to be taken by students in the Graduate School.

Under nearly all the above heads the courses are distributed into three groups; namely:—

- (1) Courses designed primarily for undergraduates.
- (2) Courses for undergraduates and graduates.
- (3) Courses primarily for graduates.

In a few departments, there are no courses belonging to the first group; in a few, none belonging to the second group; and in one, none belonging to the third group. The Greek and Latin courses belonging to the third group are placed apart, under the separate head of Classical Philology. Among the courses of the third group, in the different departments, are so-called courses of Research and Seminaries; and these courses are regarded as among the most important courses given in the University.

In most of the above-named departments of study, separate pamphlets are published, presenting a full account of the instruction and other resources of the University in the several departments. These pamphlets contain important particulars about the text-books, the methods of instruction, the objects, scope, and mutual relations of the several courses, and the various advantages which students may find outside of the courses. Students unfamiliar with the arrangement of courses at this University, and intending to enter the Graduate School, are especially advised to consult these publications.

The Announcement of the Courses of Instruction and the departmental pamphlets may be obtained on application to *The Secretary of Harvard University*, No. 5 University Hall, Cambridge, Mass.

Any course named in the Announcement is open to all members of the Graduate School who present sufficient evidence of qualification for that course. It is sometimes advisable for graduate students to choose some of their courses from the first, or undergraduate, group; and there is nothing in the customs of the University or the methods of instruction to make such a choice an unsuitable one. Courses of the first group are not ordinarily counted for the degree of A.M. Courses of the second group are accepted for the degree of A.M., at the discretion of the Administrative Board; courses of the third group are always accepted.

A complete year's work regularly consists of four full courses of instruction, of advanced grade, or their equivalent. Every student intending to come up for a degree, and every holder of a resident fellowship or scholarship, is ordinarily expected to do a complete year's work, each year, with high credit. A student may, by special arrangement, be permitted to count a course of Research for more than a full course; he may even be permitted to spend all his time for a year on one such course. Again, a student who is not doing full work in any year may be permitted to count that year for a fraction of a year, as a candidate for a degree. The degrees of Ph.D. and S.D. do not rest on an enumeration of courses; but no student can become a candidate for one of these degrees until he has, in the judgment of the Administrative Board, fulfilled the requirements of study for the prescribed periods of time.

A Graduate student, possessing the necessary qualifications, may take some of his courses in a professional school. Any Graduate Student in regular standing, paying the full fee of \$150 a year, is admitted free to the instruction and the examinations given in any department of the University, with the exception of exercises carried on in the special laboratories.

Besides the regular courses of instruction, there are, in many departments, Conferences and Clubs, in which important and valuable work is done, although they do not count as courses. Readings and courses of Lectures, of a more general nature, are frequently given during the winter, and are open to the public, without charge. A public series of Classical Concerts by the Boston Symphony Orchestra and commonly a public series of Chamber Concerts are given each year in the buildings or under the auspices of the University, at moderate prices.

In several departments of study, Summer Courses of Instruction are given at the University, during certain weeks of the vacation. These courses are especially designed for teachers in schools and colleges, and for students who wish to attend them in preparation for advanced courses

given in term time. Some of them are equivalent to, and counted for, corresponding courses in the Announcement. Full information concerning the Summer Courses may be obtained by application to *The Secretary of the University* (address as above).

Graduate students have the right to use the College Library (292,000 bound volumes, at the last enumeration, together with a large and important collection of pamphlets and maps), and to borrow books from the same. There are also six laboratory and thirteen class-room libraries, of great value in daily work, and the libraries of the Botanic Garden, the Museum of Comparative Zoölogy, and the Peabody Museum of American Archaeology and Ethnology; and any student who is engaged in special work in a department of study, having one of these libraries, has free access to it. Permission may also be obtained by properly qualified students to consult the libraries of the Observatory and of the Schools of Divinity, Law, Medicine, etc.

Graduate students are also admitted to work in the Chemical Laboratory; the Jefferson Physical Laboratory; the Museum of Comparative Zoölogy and the Laboratories of Natural History; the Botanic Garden and Herbarium; the Museum of Mineralogy; the Peabody Museum of American Archaeology and Ethnology; the Semitic Museum; the Psychological Laboratory; some of the laboratories of the Medical School; and (in special cases) at the Astronomical Observatory and the Bussey Institution.

DEGREES.

The degrees of *Bachelor of Arts (A.B.)*, *Master of Arts (A.M.)*, *Doctor of Philosophy and Master of Arts (Ph.D.)*, and *Doctor of Science (S.D.)*, are open to members of the Graduate School, under such regulations as are established, from time to time, by the Faculty of Arts and Sciences. But no Graduate Student is regarded as a candidate for any degree, until he has been admitted to candidacy by the Faculty or under its authority. Applications from Graduate Students for admission to candidacy for any degree, in any academic year, must be presented in writing to the Dean of the Graduate School, at some time *before the thirtieth day of April* of the same year. Later applications may be received in special cases. Applications should be addressed to the Faculty of Arts and Sciences. Each application must be accompanied by a precise statement of the courses or field of study on which the applicant will offer himself for examination, and, if he is an applicant for the degree of Ph.D. or S.D., by the title of his thesis. No Graduate Student can present himself for examination for a degree, until his application for admission to candidacy has been granted.

Intending candidates for any degree are advised to ascertain, at the beginning of the academic year, by written application to the Dean of the

Graduate School, whether their proposed courses and methods of study will be approved as qualifying them for candidacy. It is especially desirable that students who mean to present themselves for the degree of Ph.D. or S.D. be early known to their instructors as designing to prepare themselves for such degree.

Students, not holding the degree of A.B. from Harvard University, who wish to become candidates for the degree of A.B., A.M., or Ph.D., and students, not holding the degree of S.B. from Harvard University, who wish to become candidates for the degree of S.D., are advised to make *early application* to the Committee on Admission from other Colleges (for A.B., A.M., or Ph.D.), or to the Administrative Board of the Scientific School (for S.D.), for information as to the conditions under which they can be admitted to candidacy; otherwise there may not be time to conform their plans of study to such conditions.

The Degree of A.B.

Graduates of other institutions who wish to become candidates for the degree of A.B. at Harvard University may, with the consent of the Committee on Admission from other Colleges, and under such conditions as they may impose, register as members of one of the College classes, or, if their qualifications be deemed sufficient, as students in the Graduate School. In both cases, they will be admitted to the same courses of study, and will be subject to the same requirements as to amount and quality of work; and, on their attaining the degree, their names will be included in the regular class-list of Bachelors of Arts for the year, both in the Commencement programme and the quinquennial catalogue, and they will have all the rights and privileges of graduates of Harvard College.

A student who wishes to be a candidate for the degree of A.B. must have studied for such time as the Committee shall require (at least *one academic year*) at this University; and must have pursued a course of study approved by the Committee as affording suitable preparation for the degree, and have passed all the examinations in that course in a satisfactory manner.

Qualification for candidacy for A.M., Ph.D., or S.D.

A student who wishes to become a candidate for the degree of A.M. or Ph.D. must, before entering on his studies for that degree, have attained the degree of A.B. at this University; or have pursued successfully, at some other college, university, or institution of advanced education, a course of study which must be accepted by the Committee on Admission from other Colleges, with or without special conditions as to further study, as qualifying the student for candidacy for the degree of A.M. or Ph.D. The degree of A.B. is commonly required.

A student who wishes to become a candidate for the degree of S.D. must, before entering on his studies for that degree, have attained the degree of S.B. or C.E. at this University; or have pursued successfully, at some other institution of advanced scientific education, a course of study which must be accepted by the Administrative Board of the Scientific School, with or without special conditions as to further study, as qualifying the student for candidacy for the degree of S.D. The degree of S.B., Ph.B., or C.E. is commonly required.

Requirements of Time.

The *least periods* of study and residence required for the degrees of A.M., Ph.D., and S.D., of students already having the proper qualifications for candidacy, as above defined, are as follows: for A.M., *one year* of study at the University, in the Graduate School, or (in the case of a student who is pursuing a professional course of study) in a professional department; for Ph.D., *two years* of study at the University, in the Graduate School; for S.D., *three years* of special scientific study in the Graduate School, of which at least two must be years of study at the University. But the Faculty may, for sufficient reasons, remit one of the two years of residence (not of study) for the degree of Ph.D. or S.D. to Bachelors of Arts or Science of Harvard University. Candidates for the degree of S.D., who hold both the degree of A.B. and that of S.B. or C.E. from Harvard University, may become candidates for the degree of S.D. after *two years* of further study.

These periods must, however, be regarded merely as *minimum* periods required for the several degrees. They must often be exceeded; especially in the case of graduates of other colleges and of persons partly occupied in other work. In the case of the degrees of Ph.D. and S.D., the requirements of time are wholly secondary.

No year can be counted to a student as a full year of study for a degree which is not entirely devoted to studies approved by the Faculty as forming a complete year's work for that degree. (See pp. 241-243.)

Grounds of the Degree of A.M.

The degree of A.M. is conferred on a student who passes, *with high credit*, an examination on courses of study proposed by the student, and approved by the Administrative Board of the Graduate School as affording a suitable preparation for the degree; and these courses of study may be limited to a single department, or may belong to different departments. If the student is an A.B. of Harvard University, or has been accepted *without special conditions* as qualified for candidacy for the degree of A.M., the requirement for the degree ordinarily consists of *four full courses of instruction*,

of advanced grade, or their equivalent, pursued for one academic year, and passed with high credit.

The Faculty of Arts and Sciences will approve studies pursued in the Professional and Scientific Schools as constituents of a one year's course for A.M.; but only when it is satisfied that the candidate has no intention or expectation of offering any of the same studies for another degree.

The degree of A.M. may also be conferred on students having the required qualifications for candidacy, as already defined (p. 244), simultaneously with the degree of D.B., LL.B., or M.D., and on the same course of study. The degree is thus given, on the nomination of the appropriate Professional School Faculty, and on the recommendation of the Faculty of Arts and Sciences, and only after the longest course of study and residence provided for the professional degree, and upon examinations passed with high credit. Professional students, properly qualified, who wish to be candidates for the degree of A.M. on these terms should apply to the Faculty of their School on or before the *first day of May* in the year of their graduation at the School. If not Bachelors of Arts of Harvard University, they should apply to the Committee on Admission from other Colleges, *soon after entering their School*, for information as to the conditions on which they may become candidates.

Candidates for the degree of A.M. studying in the professional schools as members of those schools do not register in the Graduate School.

Failure to make early application may operate as a bar to ultimate success in attaining the degree of A.M., the reason being that if the Committee imposes special conditions in the form of extra courses to be pursued, the candidate may need a year or more in which he may fulfil those conditions without undue effort or neglect of his professional school studies.

Grounds and Standing of the Degrees of Ph.D. and S.D.

The degree of Ph.D. or S.D. is given, not for the mere reason of faithful study for a prescribed time or in fulfilment of a determinate programme, and never for miscellaneous studies, but on the ground of long study and high attainment in a special branch of learning, manifested not only by examinations, but by a thesis, which must be presented and accepted before the candidate is admitted to examination, and must show an original treatment of a fitting subject, or give evidence of independent research.

Any person on whom the University confers the degree of Ph.D. or S.D. is thereby recognized as qualified to give instruction to candidates for this degree in the department in which he has taken the degree, and to advance knowledge in that department by his own investigation.

A candidate for the degree of Ph.D. must offer himself for examination in some one of the following Divisions of the Faculty of Arts and Sciences: Semitic Languages and History; Ancient Languages; Modern Languages; Philosophy; History and Political Science; Music; Pure and Applied Mathematics; Physics; Chemistry; Natural History; American Archaeology and Ethnology. Within his chosen Division, he must name some special field of study, approved as sufficient by the Committee on Honors and Higher Degrees in that Division. He is liable to minute examination on the whole of that special field; and is also required to prove such acquaintance with the subject-matter of his Division in general as the committee in that Division shall require.

A candidate for the degree of S.D. must offer himself for examination on two subjects, or fields of study, belonging to some Division in the range of the mathematical, physical, and natural sciences. He must show special attainments in one of these subjects, and is liable to minute examination in the whole ground which it covers; and he is also required to have such general knowledge in the Division to which his special studies belong as the Committee on Honors and Higher Degrees in that Division shall require. His thesis must embody some contribution to science or some special investigation.

Any student who means to become a candidate for the degree of Ph.D. or S.D. must carry on his studies with the approval and under the direction of the Committee on Honors and Higher Degrees in that Division of the Faculty of Arts and Sciences to which his studies belong. He should give early written notice of his intention to be a candidate to the chairman of the committee; and he should consult the chairman, at suitable intervals, about his plans of study.

An applicant for the degree of Ph.D. or S.D. must hand a fair copy of his thesis, on or before the *first day of May*, to the chairman of the committee in his Division; and the chairman has power to reject a thesis not plainly written. No candidate is admitted to examination till his thesis has been approved by the committee; and, on the approval of the thesis, and as early as the *first day of June*, the thesis is deposited, with a certificate of approval signed by a special committee, at the office of the University for inspection by any member of the Faculty.

A successful candidate is allowed to print his thesis as one accepted for the degree, with the certificate of approval and the signatures of the approving committee; and either a printed or a written copy of the thesis and the original certificate must be deposited in the Library, and must be open to public inspection.


The Division in which the degree of Ph.D. or S.D. is conferred is named in the quinquennial catalogue of the University; and the Division, the special branch of the Division, and the title of the thesis are named in

the Commencement programme and the next following annual catalogue.

The degree of Ph.D. carries with it that of A.M., the full title of the degree being *Doctor of Philosophy and Master of Arts*.

A student who has taken the degree of A.M. may count the study and residence, already offered for that degree, towards the degree of Ph.D. also; provided the committee in the proper Division approve such study and residence as in itself suitable to be counted for the degree of Ph.D.

FELLOWSHIPS AND SCHOLARSHIPS.

 The attention of students who purpose to enter the Graduate School from some other college is specially called to the Morgan Fellowships, the Memorial Fellowships, and the Scholarships. Most of these appointments may be given or promised to persons not yet members of the University, but strongly recommended to the Faculty as students of marked ability and character; as well as to applicants who have given evidence of high merit by work already done at this University.

THE HARRIS FELLOWSHIP was founded in 1868 by William Minot, jr., as executor of HENRY HARRIS, with an original endowment of ten thousand dollars. The yearly income of this foundation, now \$500, is applied under the following conditions established by the founder:—

“That this income be given to some graduate of acknowledged excellence in one or more departments of literature or science (but not necessarily of the highest college rank), for one or more years; that the recipient satisfy the Corporation of his need of such aid, and his purpose to make the most of it; that residence at Cambridge be required, unless excused for substantial reasons, and that marriage be a disqualification; that studies for the professions of law, theology, or medicine, be excluded from the studies of the recipient; and that the Corporation be authorized to make such other restrictions and conditions as in its judgment will best secure from the recipient his entire devotion to accurate scholarship or the higher branches of science.”

THE ROGERS FELLOWSHIPS were founded in 1869 by HENRY BROMFIELD ROGERS, with an endowment of twenty thousand dollars:—

“... For the encouragement and attainment of a higher, broader, and more thorough scholarship than is required or expected of Undergraduates, in all sound literature and learning, except science strictly so called, . . .”

Two fellowships now exist on this foundation, each having an annual income of \$750.

The incumbents of these fellowships must be graduates of Harvard College; and must be such persons as, from their “natural gifts, attain-

ments, and general character, intellectual and moral," the Corporation, "after consultation with the Faculty of the College, shall deem best fitted to attain the object contemplated by this donation."

The conditions of incumbency are that every holder of one of these fellowships "shall faithfully devote his time and thoughts to the pursuit of such branches and courses of study as he, with the approbation of the Corporation, may select. That, whilst a recipient of this grant, he shall engage in no studies designed to prepare him for a special profession, nor in any other business or occupation except that of a Proctor of the College, or an occasional examiner of some of the classes, at the request of the Corporation. That, from time to time, he shall be subject to be called upon to give such evidence of his fidelity and proficiency as the Corporation may require, and especially to write essays and dissertations upon such subjects, within the circle of his studies, as they shall designate; and these, when completed, shall be at their disposal."

It was originally provided that an appointment should be made each year from the Senior Class, and that residence in Cambridge should be required; but these conditions were modified, in 1877, so that the Corporation may, at their discretion, appoint graduates of longer standing, and may permit the incumbents to reside abroad for the purpose of study.

THE PARKER FELLOWSHIPS. — Four Fellowships of the annual value of \$700 each have been created from the income of the bequest of JOHN PARKER, JR., received in 1873. These Fellowships may be held by graduates of Harvard College or of any other department of the University, for a term not exceeding three years in any case. Appointments to these Fellowships are made annually by the President and Fellows of Harvard College, ordinarily upon recommendation of the Faculty of Arts and Sciences, early in the month of May in each year; but the appointments so made must receive, under the provisions of the founder's will, the approval of the Governor and Chief Justice of the Commonwealth of Massachusetts and the President of the American Academy of Arts and Sciences. The holder of a Parker Fellowship must devote himself to some special course of study approved by the Faculty of Arts and Sciences; he is restricted, during his tenure of the Fellowship, from pursuing the usual studies preparatory to a profession (but not necessarily from higher professional studies), and from occupation in teaching or active business; he is liable to be called upon from time to time to give satisfactory evidence of his fidelity and proficiency; and he is liable to lose his appointment, by vote of the President and Fellows, whenever the evidence of his fidelity and proficiency shall be unsatisfactory to the Faculty of Arts and Sciences, or whenever he may become for any reason unfit, in the opinion of the President and Fellows, to hold a Fellowship.

The object of Mr. Parker's bequest is to provide the most thorough education possible for persons who possess uncommon powers in any department of knowledge, or who give promise of developing such powers, but who have not at command the means of paying for a prolonged and costly training. Incumbents of these Fellowships may study abroad, if they prefer.

THE JOHN THORNTON KIRKLAND FELLOWSHIP. — This Fellowship, having an endowment of about eleven thousand dollars, was founded in 1873 by GEORGE BANCROFT, LL.D. The incumbent of this Fellowship must, as a rule, have resided at least three years at the University as a member either of the College or of one of the Schools. The Fellowship may be held for three years, and no longer; but the appointment must be renewed from year to year, on evidence that the incumbent is fulfilling the purpose of the endowment. It may be awarded to "any young person likely to distinguish himself in either of the learned professions, or in any branch of Science, or in Architecture, Sculpture, Painting, Music, or Letters." The appointment to this Fellowship is made by the President and Fellows, on recommendation of the Faculty of Arts and Sciences at or about Commencement in each year. The incumbent may study abroad, if he prefer. The yearly income of this Fellowship is now \$550.

THE JAMES WALKER FELLOWSHIP. — This Fellowship, having an endowment of ten thousand dollars, and an income of \$500, was established in 1881 by gift of the friends and pupils of the late President WALKER. In awarding the Fellowship, the President and Fellows are to give the preference to a student of ethics, metaphysics, and those related branches of knowledge to which Dr. Walker chiefly devoted his life.

THE MORGAN FELLOWSHIPS. — Six Fellowships of the annual value of \$500 each have been established, four in 1884 and two more in 1887, by the gift of the late HENRY T. MORGAN of New York. These Fellowships are to be assigned to persons undertaking advanced studies, in the departments in which the degrees of Doctor of Philosophy and Doctor of Science are given. The applicant need not have received, or be a candidate for, any academic degree, but must exhibit proof of such previous training, attainments, and capacity, as promise special fitness for the work which he undertakes. The holder of a Morgan Fellowship is required to carry on his studies subject to the approval and under the supervision of the Standing Committee in the department in which his studies lie, to reside in Cambridge through the academic year, and to engage in no other occupation, except such public instruction as may have been approved by the Faculty of Arts and Sciences. The term of appointment to a Morgan Fellowship will be one year, but the holder will be eligible for appointment for a second term.

The appointment is made annually by the President and Fellows on recommendation of the Faculty of Arts and Sciences.

THE JOHN TYNDALL SCHOLARSHIP, with an annual income of five hundred dollars, was founded in 1885 by Professor TYNDALL, who gave to Harvard College the sum of ten thousand eight hundred dollars, with directions "to apply the whole net income thereof in supporting or assisting to support one or more American pupils who may have shown decided talents in Physics, and preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigation in that department of learning.

"Each person so assisted shall be either a graduate or a student in some department of Harvard University, but not necessarily a candidate for a degree.

"His studies and researches may be conducted at such places in America or at such European Universities as may be considered most desirable, and shall be approved by the Academic Council of Harvard University.

"Such assistance may be continued to the same student from year to year so long as may be recommended by the Academic Council; but the appointment must be renewed annually, and only upon satisfactory evidence that the incumbent is fulfilling the purpose of the endowment. The student should be required from time to time to furnish evidence of his fidelity, proficiency, and good character.

"If in the course of any year no student of sufficient ability and promise shall require aid from said fund, or for any reason the whole income of said fund shall not be expended, the surplus may either be added to the principal or may be expended in addition to the income of a subsequent year or years.

"The President and Fellows are authorized at their discretion to impose such conditions and make such requirements upon the recipient of aid from said fund as will best secure his faithful devotion to the purposes of this foundation."

THE ROBERT TREAT PAINE FELLOWSHIP OF SOCIAL SCIENCE, established in 1887, has an endowment of ten thousand dollars, the gift of Robert Treat Paine of the Class of 1855.

The annual income is \$500, and may be awarded "to one or more graduates of any department of the University, wishing to study either at home or abroad the ethical problems of society, and the efforts of legislation, governmental administration and private philanthropy to ameliorate the lot of the masses of mankind.

"Appointments shall be made for the term of one year only, but may be renewed at the discretion of the President and Fellows."

MEMORIAL FELLOWSHIPS.

In 1889 Mr. WILLIAM S. BULLARD gave the sum of thirty thousand dollars to found three fellowships in grateful and affectionate remembrance of three friends, and the following fellowships were thereupon established, with a yearly income of \$450 each:—

THE HENRY LEE MEMORIAL FELLOWSHIP for the study of Political Economy.

THE OZIAS GOODWIN MEMORIAL FELLOWSHIP for the study of Constitutional or International Law.

THE HENRY BROMFIELD ROGERS MEMORIAL FELLOWSHIP for the study of Ethics in its relations to Jurisprudence or to Sociology.

These fellowships may, at the discretion of the Faculty of Arts and Sciences, be held by graduates either of this University or of others, and either by resident students at this University or by persons studying abroad.

SCHOLARSHIPS.

At present, the following twenty-six Scholarships, assignable under the terms of their foundation to either graduate or undergraduate students, are reserved for the enjoyment of graduate students:—

GEORGE AND MARTHA DERBY SCHOLARSHIP, with an income of two hundred and fifty dollars; founded by Miss Martha C. Derby in 1881.

CHARLES HAVEN GOODWIN SCHOLARSHIP, with an income of three hundred dollars. Founded in 1889 by Professor William W. Goodwin in memory of his son, a graduate of the Class of 1888. This scholarship is to be assigned at or near the beginning of each academic year to some deserving student who will be benefited by it, but not necessarily to one who is dependent upon such assistance for the ability to remain at the University. The beneficiary must be approved by the Senior Professor of Greek and the Senior Professor of Latin in the University; and he must be either a student in the highest class in Harvard College who is distinguished for his scholarship in Greek or Latin, or a graduate of Harvard College who has distinguished himself there in classical scholarship and is a student of classical philology in the Graduate School of the University.

JAMES SAVAGE SCHOLARSHIP, with an income of three hundred dollars. Founded by James Savage of Boston in 1873.

SHATTUCK SCHOLARSHIPS. Seven with an income of three hundred dollars each, from a bequest made by the late Dr. George Cheyne Shattuck of Boston, in 1847, for the benefit of needy persons of superior merit pursuing at the College the study of any language or languages, or of mathematics or any branch thereof.

THAYER SCHOLARSHIPS. Ten, with an income of three hundred dollars each. In 1857 John Eliot Thayer of Boston bequeathed to several persons named by him, in trust, the sum of fifty thousand dollars, to pay the income thereof to the ten most meritorious scholars in Harvard University who may actually need the same.

GORHAM THOMAS SCHOLARSHIP, with an income of two hundred dollars. In 1865 Dr. Alexander Thomas of Dorchester gave three thousand dollars, to found a scholarship in memory of his son, a graduate of the College.

TOPPAN SCHOLARSHIP, with an income of three hundred dollars. In 1868 Mrs. Ann Toppan of Portsmouth, N. H., bequeathed five thousand dollars to found a scholarship in memory of her husband, Christopher S. Toppan.

TOWNSEND SCHOLARSHIPS. Four, with an income of two hundred and fifty dollars each, and one, with an income of two hundred dollars, founded in 1861 by Miss Mary P. Townsend of Boston, by a bequest to the College of twenty thousand dollars, the income of which is to be used for the benefit of indigent scholars.

In addition to the above scholarships, which rest on permanent foundations, the following are at present maintained by order of the President and Fellows:—

UNIVERSITY SCHOLARSHIPS. Twenty, with an income of one hundred and fifty dollars.

The total number of fellowships is twenty, with an aggregate annual income of \$11,200; the total number of scholarships is forty-six, with an aggregate income of \$10,450.

APPLICATIONS AND REPORTS.

Applications for appointment or reappointment to fellowships and scholarships for the academic year 1892-93 should be sent to the Committee on Fellowships *as early as possible after the first day of March, 1892*, in order to afford full opportunity for their consideration by the Committee. *No applications will be received before March 1 or later than March 31.* A single application may be made to cover all the fellowships and scholarships; but an applicant who wishes to be considered with reference to a particular fellowship or scholarship, is advised to state that wish in his application. All applications should be addressed to *The Faculty of Arts and Sciences*; and the outer cover should be directed to *The Committee on Fellowships, Secretary's Office, No. 5, University Hall, Cambridge, Mass.*

Every applicant should state whether he wishes to pursue his studies as a *Resident Student of this University*, and in *what field of study*, and should specify his *qualifications* for pursuing studies in that field. Unless

he is, or has been, a student in Harvard University, he should accompany his application with testimonials from those best qualified to speak with confidence of his qualities and attainments. If he applies for a fellowship which permits study abroad, he must state his plans of study as fully and definitely as possible. An application by an incumbent for the renewal of his appointment should be accompanied by a full report upon the work which he has already done while a Fellow or Scholar, or since the period of his last previous report, and a statement of that which he purposes to do.

Every non-resident holder of a fellowship must keep his address constantly on file at the office of the University, together with a statement of the course which he is taking in fulfilment of the purposes of his appointment. He is also expected to be in frequent communication with the Dean of the School and some professor of the University, to submit a yearly report as above provided, and to present a report on retiring from his fellowship.

Every resident holder of a fellowship or scholarship is required to devote himself to courses of study for which, as the holder of such fellowship or scholarship, he has obtained the approval of the Administrative Board of the Graduate School; and to do all the work of the courses punctually, regularly, and with high credit. He is liable to be deprived of his appointment at any time, if he fail to satisfy this requirement.

PRIZES.

The following prizes, administered by the Faculty of Arts and Sciences, are open for competition to resident students in the Graduate School.

THE BOWDOIN PRIZES.

Nine prizes, for dissertations on subjects in literature and science, and for translations from Greek and Latin, are open to resident students of the University, from the foundation of JAMES BOWDOIN, of the Class of 1745. Of these prizes, two of *one hundred dollars* each are open to Resident Graduate Students.

For the subjects and terms of competition for the current year, see p. 179.

THE TOPPAN PRIZE.

A prize of *one hundred and fifty dollars*, the gift of ROBERT NOXON TOPPAN, of the class of 1858, is offered for the best Essay (of sufficient merit) on a subject in Political Science.

The prize is open for competition to all students of the Graduate School or of any of the Professional Schools, who have received an academic degree, and to all Graduates of the College of not more than three years' standing.

The subjects for the year 1891-92 are : —

1. *Parliamentary government in France since 1869.*
2. *The Theory of Progressive Taxation and recent experiments in its application.*
3. *Commercial reciprocity with the South American States.*

Essays must be deposited at the Secretary's office on or before the *first day of May, 1892.*

The subjects for the year 1892-93 are : —

1. *The Referendum.*
2. *The best means of securing approximate equality of taxation in a State of the American Union.*
3. *Rules of parliamentary procedure, with especial reference to the regulation of debate, the protection of minorities, and the prevention of obstruction.*

Essays must be deposited at the Secretary's office on or before the *first day of May, 1893.*

In every case the writer must inscribe an assumed name on the title-page. A sealed letter must be sent in at the same time, under cover with the Essay, containing the true name of the writer, with the date of his graduation; and this letter must be superscribed with the assumed name. Any manuscript not plainly written may be rejected. The prize will not be awarded to any Essay that does not give such evidence of solid study, sound thought, and literary care, as would, in the opinion of the judges, warrant its publication. The University will not be responsible for the safe keeping of unsuccessful essays for more than three months after public notice of the award has been given.

THE SUMNER PRIZE.

An annual prize of *one hundred dollars*, the gift of CHARLES SUMNER, of the Class of 1830, is offered for the best dissertation by a student of the University in any of its Departments on a subject connected with the topic of Universal Peace and the methods by which War may be permanently superseded.

The subjects for the year 1891-92 are : —

1. *Have the conditions of Europe become more or less favorable to peace since the middle of the present century.*
2. *The influence of popular government on the preservation of peace.*

Dissertations must be deposited at the Secretary's office on or before the *first day of May, 1892.*

The subjects for the year 1892-93 are : —

1. *The possible extension of the right of neutral nations to intervene in cases of international dispute, as a means of averting wars.*
2. *The tendency of Protection and of Free Trade, respectively, towards the preservation of peace.*

Dissertations must be deposited at the Secretary's office on or before the *first day of May*, 1893.

The dissertations must be clearly written upon letter paper of quarto size, the sheets securely stitched together, and a sufficient margin left on all sides to enable the manuscript to be properly bound.

The title-page of a dissertation offered for the prize must be inscribed with an assumed name, and the dissertation must be accompanied by a sealed letter containing the true name and the University standing of the writer, and superscribed with his assumed name.

The prize will not be awarded to any dissertation which is not, in the judgment of the Committee, worthy of publication as a creditable contribution to the literature of the subject.

The University will not be responsible for the safe keeping of unsuccessful dissertations for more than three months after public notice of the award has been given.

The *Chauncey Wright Prize* (for a mathematical thesis), the *Dante Prize*, the *George B. Sohler Prize* (in English and Modern Literature), the *Prizes for Students of Semitic Languages*, and the *Prizes for Students of Ethics*, offered also to undergraduates, are open to competition to members of the Graduate School. See pp. 181-184.

FEES, BONDS, AND EXPENSES.

The annual tuition-fee for a Resident Student in the Graduate School, doing full work, is \$150. A student regularly registered, and paying this fee, is entitled to all the general privileges of the University. He has the right to take any courses for which he is qualified, given under the authority of the Faculty of Arts and Sciences; but in laboratory-courses he must pay certain additional special fees, named below. He is also admitted free to any of the instruction given in any department of the University; except exercises carried on in special laboratories.

A Resident Student who wishes to have the year counted to him as a *complete year of study for any degree* (see p. 245) is required to pay the full annual tuition-fee of \$150; besides special laboratory fees, if he takes any laboratory-course.

The fees for *single courses*, charged to Resident Students who are not doing full work, are as follows : —

For any laboratory-course, \$150, besides the special laboratory-fees; for any regular course, not a laboratory-course or course of research, \$45; for any half-course, not a laboratory-course, \$25; for a course of research, or for instruction outside of the regular courses, a sum equal to the fee for one, two, or more courses, according to the number of courses to which the Administrative Board of the Graduate School shall consider it equivalent, as part of the student's work for the year. But the minimum fee charged to any student is \$30; and the maximum fee is \$150, covering any number of courses.

Every Non-Resident Student, not a holder of a fellowship, is required to pay at least the minimum fee of \$30. Non-Resident holders of fellowships are charged no fees.

The special laboratory-fees are as follows: For each laboratory-course in Physics, the fee is \$10, which covers all charges. For study in the Chemical and Mineralogical laboratories, there is a general fee, which varies from \$5 to \$30, according to the nature and amount of the work undertaken, and also an individual fee for the use of materials in special investigations and for breakage, and in payment of fines for violation of the laboratory regulations. For each laboratory-course in Natural History and in Psychology, the fee is \$5, which covers all charges.

The fee for the examination for the degree of Ph.D. or S.D. is \$30; but this fee is not charged to any candidate who has paid the full tuition-fee of \$150 for at least one year as a Graduate Student.

Graduates of the University or of other collegiate institutions, desirous of pursuing their studies at Cambridge without guidance, may enjoy the use of the Library on the payment of five dollars a year; but such graduates are not entitled to be classed as students of the University, nor will residence on these terms be accepted as residence constituting membership of the Graduate School or qualifying for any degree.

Members of the Graduate School, except the holders of travelling fellowships, must give bonds in the sum of \$200, signed by two bondsmen, one of whom must be a citizen of the United States, for the payment of all dues to the University. Instead of filing a bond, any student who prefers may pay his fees in advance, and deposit with the Bursar such a sum of money as may be deemed sufficient to secure payment of all other dues to the University.

No officer or student of the University will be accepted as a bondsman.

The bills of graduate students are payable in each year on January 12, April 11, and October 10; but the third bill of every candidate for a degree must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the University, his whole bill becomes payable at once.

A student attending any course or courses of instruction for a part of a

year must pay *the whole year's fee* for such course or courses, unless his fees for the year shall amount to \$150.

But certain deductions are made from the *full tuition-fee* of \$150 a year, in cases of properly notified absence for a third part of the year; the second third beginning January 1, and the last third beginning April 1. *Previous written notice* of withdrawal, or of intended absence, must be given to the Secretary of the University.

The necessary expenses of a graduate student, including tuition, may be estimated at *four hundred dollars* for an academic year. His actual expenditure may vary, according to his means and habits, from this sum upwards. *Eight hundred dollars* may be regarded as a liberal estimate.

Members of any department of the University can board at cost by joining the Association which uses the great dining-hall of Memorial Hall. The cost of board to the members of this association is expected not to exceed \$4.25 a week. The Hall opens on the last Wednesday in September.

Upwards of two hundred members of the various departments of the University are admitted annually to the Foxcroft Club, a coöperative organization having quarters adjoining the College yard. Simple articles of food are furnished to order at cost, making it possible to board at the Club for from \$2.50 to \$3.00 a week. By using the Club's reading room and its reference library, members are enabled to lodge cheaply at a distance from the University or in suburban towns. The annual fees of the Club are low. Applications should be made early.

The Hemenway Gymnasium is open to all students of the University.

DIVISIONS AND DEPARTMENTS OF THE FACULTY OF ARTS AND SCIENCES.

DIVISION I. — SEMITIC LANGUAGES AND HISTORY. Professor Toy, chairman.

DIVISION II. — ANCIENT LANGUAGES. Professor Goodwin, chairman. Departments: A. *Indo-Iranian Languages*. Professor Lanman, chairman; B. *The Classics (Greek, Latin)*, Professor Smith, chairman.

DIVISION III. — MODERN LANGUAGES. Professor Child, chairman. Departments: A. *English*. Professor A. S. Hill, chairman; B. *German*, Assoc. Professor Bartlett, chairman; C. *French*. Professor Bôcher, chairman; D. *Italian and Spanish*. Professor Norton, chairman; E. *Germanic and Romance Philology*. Professor Sheldon, chairman.

DIVISION IV. — PHILOSOPHY. Professor Palmer, chairman.

DIVISION V. — HISTORY AND POLITICAL SCIENCE. Professor Dunbar, chairman. Departments: A. *History and Roman Law*. Professor Emer-ton, chairman; B. *Political Economy*. Asst. Professor Taussig, chairman.

DIVISION VI. — FINE ARTS. Professor Norton, chairman.

DIVISION VII. — MUSIC. Professor Paine, chairman.

DIVISION VIII. — PURE AND APPLIED MATHEMATICS. Professor J. M. Peirce, chairman. Departments: A. *Mathematics*. Professor Byerly, chairman; B. *Engineering*.

DIVISION IX. — PHYSICS. Professor Trowbridge, chairman.

DIVISION X. — CHEMISTRY. Professor Cooke, chairman.

DIVISION XI. — NATURAL HISTORY. Professor Whitney, chairman. Departments: A. *Botany*. Professor Goodale, chairman; B. *Zoölogy*. Professor Mark, chairman; C. *Geology*. Professor Shaler, chairman.

DIVISION XII. — AMERICAN ARCHAEOLOGY AND ETHNOLOGY. Professor Putnam, chairman.

The ordinary administration of a Division or Department includes: the proposal of courses of instruction to the Committee on Instruction; the examination of candidates for second-year honors, if such honors are offered, and the nomination of students to the Faculty for second-year honors; the preparation of papers for the admission examinations, when required; the care of departmental libraries; the supervision of departmental publications, when specially referred to the committee; the arrangement and regulation (when it seems desirable for the committee to act in the matter) of seminaries, conferences, clubs, reading-courses, lectures, and the like; the supervision of holders of fellowships, pursuing studies in Cambridge or elsewhere; and the general promotion and usefulness of the Division or Department.

In each of the twelve Divisions in which (see pp. 174, 247), either Final (Baccalaureate) Honors or the degree of Doctor of Philosophy or the degree of Doctor of Science may be attained, the Division Committee, with such additional members as may be appointed, is organized as the Committee on Honors and Higher Degrees in that Division, and has charge (under the regulations of the Faculty) of fixing the requirements, examining candidates, and making nominations, for Final Honors and for the degrees of Ph.D. and S.D., and in special cases for that of A.M. But the Department Committee for the Department of English has the charge of Honors in English, and for this purpose has the organization and duties of a Committee on Honors.

Every Committee on Honors and Higher Degrees acts without division into Departments. It may delegate the actual minute examination of candidates and theses to special subcommittees, for which it may obtain the services of any suitable persons, whether members of the Faculty or not; but the Committee is held responsible for all nominations for Honors and Degrees.

Every student who means to be a candidate for the degree of Ph.D. or S.D. must carry on his studies with the approval and under the direction of the Committee on Honors and Higher Degrees in the Division to which his studies belong.

THE DIVINITY SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*

CHARLES C. EVERETT, D.D., *Dean, and Bussey Professor of Theology.*

JOSEPH HENRY THAYER, D.D., *Bussey Professor of New Testament Criticism and Interpretation.*

CRAWFORD H. TOY, LL.D., *Hancock Professor of Hebrew and other Oriental Languages, and Dexter Lecturer on Biblical Literature.*

FRANCIS G. PEABODY, D.D., *Plummer Professor of Christian Morals.*

— — —, *Parkman Professor of Theology.*

EPHRAIM EMERTON, PH.D., *Winn Professor of Ecclesiastical History.*

DAVID GORDON LYON, PH.D., *Hollis Professor of Divinity.*

BROOKE HERFORD, D.D., *Lecturer on Pastoral Care and the Conduct of Worship.*

WILLIAM JEWETT TUCKER, D.D., *Lecturer on Pastoral Care and the Conduct of Worship.*

JOHN W. CHURCHILL, A.M., *Instructor in Elocution.*

EDWARD HALE, A.B., D.B., *Assistant in Homiletics.*

FRANCIS ALBERT CHRISTIE, A.B., *Lecturer on the New Testament.*

ROBERT SWAIN MORISON, A.M., D.B., *Librarian.*

STUDENTS.

RESIDENT GRADUATES.

NAME.	RESIDENCE.	ROOM.
Berle, Adolph Augustus, D.B. (<i>Oberlin Coll.</i>) 1887,	<i>Brighton,</i>	<i>Brighton.</i>
Curtis, Anson Bartie, A.B. (<i>Univ. of Mich.</i>) 1888, D.B. (<i>Meadville Theol. School</i>) 1889,	<i>Rives Junction, Mich.</i>	<i>College Hill.</i>
Fraser, Fenwick Williams, A.B. (<i>St. Francis Xavier</i>) 1886, A.M. (<i>Prince-</i>		

- ton Univ.) 1890, D.B. (*Yale Univ.*)
 1891, *Williams Fellow*, *Antigonishe, N. S.* D. 12.
- Haynes, Henry Harrison, A.B. 1873, A.M.
 1887, D.B. (*Episcopal Theol. School*,
Cambridge) 1877, *Cambridge*, 6 Ellery St.
- Hazard, Willis Hatfield, A.B. (*Haverford*
Coll.) 1887, (*General Theol. Sem.*)
 1891, *W. Chester, Pa.* 13 Remington
Kitashima, Watari, (Meadville Theol. [St.
School) 1891, *Tokyo, Japan*, D. 3.
- Kozaki, Nariaki, (*Doshisha Coll.*) 1881,
 (*Theol. Dept., Ibid.*) 1884, D.B. (*Pa-*
cific Theol. Sem.) 1887, D.B. (*Harvard*
Univ.) 1891, *Kumamoto, Japan*, D. 11.
- MacLeod, Ambrose Watts, A.B. (*Dal-*
housie Coll.) 1888, (*Halifax Theol.*
School) 1890, A.B. (*Harvard Univ.*)
 1891, *Dunstaffnage, P. E. I.* 96 Inman
- Mansfield, Frank Albert, S.B. (*Maine* [St.
State Coll.) 1880, S.M. (*Ibid.*) 1883,
 D.B. (*Oberlin Theol. Sem.*) 1884, *Boston*,
- Newbert, Elmer Ellsworth, (*Bangor*
Theol. Sem.) 1890, *Warren, Me.* 367 Beacon
- Schliemann, William Emil, A.B. (*Knox* [St., Somerville.
Coll.) 1884, D.B. (*Chicago Baptist*
Sem.) 1888, *Morgan Park, Ill.* 30 Mt. Pleas-
 [ant St.

SENIOR CLASS.

- Fairfield, Oliver Jay, A.B. (*Antioch*
Coll.) 1888, *Yellow Springs, O.* D. 15.
- Green, Walter Cox, A.B. 1889, *Cambridge*, D. 21.
- McCleary, Samuel Foster, Jr., A.B. 1888, *Brookline*, D. 18.
- Southworth, Franklin Chester, A.B. 1887, *Cambridge*, Felton 18.

MIDDLE CLASS.

- Cornelius, Joseph Lafayette, A.B. (*Trin-*
ity Coll., N. C.) 1889, *Statesville, N. C.* D. 20.
- Gilmore, Frank Albert, A.B. (*Colby*
Univ.) 1890, - *Belfast, Me.* D. 28.
- Hirotsu, Tomonobu, (*Doshisha Coll.*)
 1886, (*Theol. Dept., Ibid.*) 1889, *Yanagana, Japan*, 61 Oxford St.

- Kishimoto, Nobuta, (*Doshisha Coll.*) 1884,
 (*Theol. Dept., Ibid.*) 1887, *Okayama, Japan,* 9 Story St.
 Leavitt, Edwin Bradford, A.B. 1890, *Hingham,* S. 22.
 Wyman, Abram, A.B. (*Colby Univ.*)
 1889, *Skowhegan, Me.* D. 27.

JUNIOR CLASS.

- Berry, Louis Fletcher, (*Harvard Univ.*) *Cambridge,* 413 Broadway.
 Chappell, Thomas Edward, L.B. (*Univ.*
of Nebraska) 1891, *Lincoln, Neb.* 5 Hancock Pl.
 Dyer, Algernon Sidney, A.B. (*Bowdoin*
Coll.) 1891, *Hollis, Me.* 33 Kirkland
 Elkins, Wendell Phillips, A.B. 1888, *Andover, N. H.* D. 6. [St.
 Frame, James Everett, A.B. 1891, *E. Boston,* D. 20.
 Hunt, Walter Reid, A.B. (*Bowdoin Coll.*)
 1890, *Bangor, Me.* 34 Linnaean
 Nichols, Jesse Gilman, A.B. 1891, *Merrimac,* D. 32. [St.
 Roberts, John William, A.B. 1891, *Cambridge,* D. 9.
 Ruoff, Henry Wilson, s.B. (*Penn. State*
Normal School), A.B. (*Univ. of In-*
diana) 1890, *Indiana, Pa.* 47 Trowbridge
 Sanders, Frederic William, A.B. (*Col-*
lege of the City of New York) 1883, *New York, N. Y.* 46 North Ave.
 Simons, Minot Osgood, A.B. 1891, *Manchester, N. H.* H'y 14.
 Waterhouse, Joseph Edson, A.B. (*Bos-*
ton Univ.) 1891, *Malden,* [Ave., Malden.
 101 Converse

SPECIAL STUDENTS.

- Baker, Myron Eugene, L.B. (*Univ. of*
Wisconsin) 1890, *Kenosha, Wis.* 69 Oxford St.
 Buxton, Wilson Riley, *Ebinsville, Pa.* 70 Wallace St.
 Doney, Carl Gregg, s.B. (*Ohio State*
Univ.) 1891, *Columbus, O.* 51 Trowbridge
 Putnam, John Parkhurst, A.B. 1891, *Worcester,* D. 24. [St.
 Randall, Arthur Theodore, *Chicago, Ill.* 56 Mt. Auburn
 Stoughton, Lewis Herbert, s.B. (*Univ.*
of Nebraska) 1890, *Lincoln, Neb.* 11 Wendell St.

The Constitution of this School prescribes that "every encouragement be given to the serious, impartial, and unbiassed investigation of Christian truth, and that no assent to the peculiarities of any denomination of Christians shall be required either of the instructors or students."

COURSES OF INSTRUCTION.

As more courses are presented than are required for the degree of D.B., a certain amount of election will be allowed. Students must, in every case, submit to the Faculty for its approval a list of the studies which they propose to take.

OLD TESTAMENT.

1. Hebrew. Davidson's Introductory Hebrew Grammar. Explanation of parts of Genesis and of the Psalm-book. *Mon., Wed., Fri., at 11.* Professor LYON.
2. Hebrew (Second Course). — Syntax. — Interpretation of parts of the Prophets and the Poetical Books. *Tu., Th., at 3.30.* Professor TOR.
3. Jewish Aramaic. Kautzsch's *Biblisch-Aramäische Grammatik*. — Brown's Aramaic Method. Interpretation of selections from the Targums, and from Daniel and Ezra. *Wed., Sat., at 10, during the second half-year.* Professor LYON.
4. History of Israel, political and social, from the period of the Judges until Ezra. *Tu., Th., at 11.* Professor LYON.
5. History of pre-Christian Hebrew Literature. *Mon., Tu., Wed., Th., at 2.30 (first half-year).* Professor TOR.
6. History of the Hebrew Religion, with comparisons of other Semitic religions. *Fri., 2.30-4.30.* Professor TOR.
7. Assyrian. Lyon's Assyrian Manual. References to Delitzsch's Assyrian Grammar. Delitzsch's *Assyrische Lesestücke*. *Mon., Fri., at 12.* Professor LYON.
8. Assyrian (Second Course). Delitzsch's Assyrian Grammar. The Cuneiform Inscriptions of Western Asia (interpretation of selections). *Tu., Th., at 12.* Professor LYON.
20. Research-course. The instructors will arrange and supervise for any properly-prepared student a line of special study on such subject as may be agreed on.

Other Semitic courses are given; namely, two in Arabic, each twice a week, one in either Ethiopic or Phoenician (Ethiopic in 1891-92), once

a week, one in Moslem history, once a week, by Professor TOY; and one in Babylonian-Assyrian history, once a week, by Professor LYON.

The Semitic Conference meets the first and third Mondays of every month except June. At each meeting a short paper is read by a student or an instructor, and its subject-matter discussed; in this way the class-work is brought into practical use, and various matters studied which do not come up in the class-instruction.

NEW TESTAMENT.

- [1. New Testament Times:—the political, social, moral, and religious Condition of the World when Christ appeared. *Twice a week during the first half-year.* Professor THAYER.]

Omitted in 1891-92.

2. Lectures on the Text and the Language of the New Testament. Special study of the Parables. The Teachings of Jesus. *Tu., Th., at 12.* Mr. CHRISTIE.

- [3. New Testament Introduction:—the Origin, Contents, and History of the New Testament Writings, together with the Formation of the Canon. *Twice a week, during the second half-year.* Professor THAYER.]

Omitted in 1891-92.

4. Lectures on the Life of Paul. Study of the Epistles. *Mon., Fri., at 12.* Mr. CHRISTIE.

- [5. Lectures on our English Bible and its recent Revision. Lectures on topics in Biblical Theology. Exposition of Difficult Texts. Essays and Criticisms. *Twice a week.* Professor THAYER.]

Omitted in 1891-92.

- [6. Biblical Interpretation:—its History, its Methods, its Principles and their Application (to New Testament Passages of historical, prophetic, ethical, and doctrinal import). *Once a week.* Professor THAYER.]

Omitted in 1891-92.

7. Classical Aramaic (Syriac). Grammars of Nestle and Nöldeke. Rödiger's Chrestomathy. The Peshitto version of the New Testament. *Wed., Sat., at 10, during first half-year.* Professor LYON.

CHURCH HISTORY.

- [1. The first eight Christian centuries. — The conflict of Christianity and Paganism. Origin and development of the Roman Papacy to its alliance with the Frankish State. The Germanic races as the basis of a new Christian civilization. *Tu., Th., at 2.30.* Professor EMERTON.]
Omitted in 1891-92.
2. The Middle Ages from Charlemagne to Dante. — Foundation of the European States. The Holy Roman Empire. The Roman Papacy as the controlling force in European Life. *Tu., Th., Sat., at 9 (second half-year).* Professor EMERTON.
3. The Era of the Reformation in Europe from the rise of Italian Humanism to the close of the Council of Trent, 1550-1563. *Tu., Th., at 2.30.* Professor EMERTON.
4. History of Christian Doctrines. *Tu., Th., at 11.* Professor EMERTON.
5. Advanced Study and Research in connection with the Seminary in Mediaeval History. Special topic: Relations of Church and State. Professor EMERTON.

COMPARATIVE RELIGION.

Studies in the Comparative History of Religions, particularly the Vedic Religion, the Hindu Philosophies, Buddhism, Mazdaism, and the Chinese Religions. *Th., Sat., at 9.* Professor EVERETT.

ETHICS.

- [The Ethics of the Social Questions. The Questions of Charity, Divorce, the Indians, Temperance, and the various aspects of the Labor Question (Socialism, Communism, Arbitration, Coöperation, etc.), as problems of practical Ethics. Lectures, essays, and practical observations. *Twice a week.* Professor PEABODY.]
Omitted in 1891-92.

THEOLOGY.

- [1. The Philosophy of Religion. — An Introduction to the study of Theology. *Once a week.* Professor PEABODY.]
Omitted in 1891-92.
2. Systematic Theology begun: The Psychological Basis of Religious Faith. *Tu., at 9.* Professor EVERETT.

3. Systematic Theology continued: The Content of Christian Faith. An elaborate essay on some Theological subject is expected from each student taking this course. *Mon., Wed., Fri., at 11.* Professor EVERETT.

The Theological Conference meets on alternate Thursday evenings.

HOMILETICS AND PASTORAL CARE.

1. The Structure and Analysis of Sermons. *Wed., at 9.* Mr. HALE.
2. Each student writes six sermons during the year, three of which are preached before the two upper classes and criticised by students and Instructor [*Wed., at 10*]; the rest are criticised privately, both as to composition and delivery, and are preached at a weekly religious exercise of the School which is open to the public. Mr. HALE.
3. Pastoral Care and the Conduct of Worship. *Alternate Wed. during the year at 12.* BROOKE HERFORD, D.D. (*first half-year*), and W. J. TUCKER, D.D. (*second half-year*).

ELOCUTION.

Mr. CHURCHILL meets the students, generally in small groups, for instruction in Elocution, *Mon., 10-1 and 2-5.*

GENERAL EXERCISES.

Preaching by students in the Chapel of the School, open to the public.
Once a week.

Meetings for Debate. *Once in two weeks.*

Meetings for Religious Conference, conducted by students, alternating with the above. *Once in two weeks.*

Morning Prayers, conducted by professors and students.

INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

Students of this School in regular standing are entitled to attend, without extra charge, any exercises in the College, or other departments of the University, for which they may show themselves fitted; except exercises in the special Laboratories. This provision does not apply to Special Students unless they pay fees varying according to the amount of instruction taken.

It is assumed that in every case the larger part of the work of the student will be done in connection with the School.

The Hemenway Gymnasium is also open to members of this School, without extra charge.

LIBRARY.

Students have access to the Divinity School Library, which consists of about 23,200 volumes and over 3700 pamphlets, to the College Library, which consists of about 292,000 volumes and is rich in theological literature, and, for consultation, to the other Departmental Libraries containing over 80,000 volumes.

There is connected with the Divinity School Library a room containing a select theological library together with special books of reference, to which students have admission during the day and evening.

THE DEGREE OF BACHELOR OF DIVINITY.

Students properly qualified, who have been connected with the School for not less than one year, and have passed satisfactorily examinations on studies representing thirty hours a week of class work, and on the German language, and written the required theses, may receive the degree of Bachelor of Divinity. Studies representing more than thirteen hours of class work, will, however, not be accepted for this purpose in any one year, except in the case of candidates for admission to advanced standing.

Although the degree of Bachelor of Divinity can be gained in three years, students are advised to add a fourth year to their course. This will allow all the studies of the School and a larger number in other departments of the University to be taken.

It is recommended that the German required for the degree be taken in the Junior year, as a knowledge of this language will be found of great service during the remainder of the course.

THE DEGREE OF MASTER OF ARTS.

Bachelors of Arts who take the degree of Bachelor of Divinity, will receive with this the degree of *Master of Arts*, if they have pursued the study of Theology at this School for *three* years and have passed with high credit all required examinations; provided that, if the Bachelor's degree was not received at Harvard College, the Faculty of Arts and Sciences shall be satisfied that the course of study for which this degree was received was equal to that for which it is here given; or that any deficiency in this respect shall have been supplied by subsequent study exclusive of that which is offered for the degree of Bachelor of Divinity.

Bachelors of Arts, properly qualified, who do not intend to apply for the degree of Bachelor of Divinity, may receive the degree of Master of Arts, after pursuing for one year at the School a course of theological study accepted as suitable and sufficient for the purpose, and passing with high credit an examination on the same.

CERTIFICATES FOR SPECIAL STUDENTS.

Special students who have passed a satisfactory examination in one or more subjects, are entitled to a certificate, stating the length of time they have been members of the School, and specifying the subjects in which they have been examined.

ADMISSION.

Testimonials. Candidates for admission must furnish testimonials of character and scholarship.

Resident Graduates. Graduates of Theological Schools will be admitted as Resident Graduates to all the privileges of the School, and may, with the approval of the Faculty, pursue such studies as they may select in other departments of the University, it being understood that the greater part of the work is done in connection with the Divinity School.

Candidates for the degree. Candidates for the degree of Bachelor of Divinity must have received the degree of Bachelor of Arts, or must satisfy the Faculty that their education has been equal to that of graduates of the best New England colleges.

Graduates of other Theological Schools who have the degree of A.B., or who satisfy the Faculty that their education has been equal to that of graduates of the best New England colleges, and bring evidence of high standing in the schools from which they have graduated, may be admitted to the Senior Class without examination, and thus become candidates for the degree of Bachelor of Divinity.

Advanced Standing. Candidates may be admitted to advanced standing upon satisfactory evidence by examination.

Special Students. Persons not candidates for the degree of Bachelor of Divinity may be admitted to the School as Special Students on giving satisfactory evidence of such proficiency in the Greek and Latin classics as is ordinarily required for admission to a New England college, and in the Greek of the New Testament.

SCHOLARSHIPS AND OTHER PECUNIARY AID.

With the single exception named in connection with the Williams Fund (that the recipient of that fund must be a Protestant), the pecuniary aid furnished by the School is given without regard to denominational differences. No person proposing to enter the School may expect to receive aid, unless he can show a record of at least seventy-five per cent or its equivalent on his College examinations, and by his character, and in other respects, gives promise of usefulness.

If the work in the School of any student who has received help falls below the standard named, or if his course proves in any respect unsatisfactory, such help will be discontinued.

The fitness of persons entering the School as Special Students to receive aid will be determined in part by the record that they bring and in part by their entrance examination.

The funds applicable to this purpose are as follows:—

1. Ten Scholarships established in the School, varying in their annual income from one hundred to one hundred and sixty dollars. They are assigned by the President and Fellows on the recommendation of the Faculty.

These scholarships are:—

The CHAPMAN SCHOLARSHIP, founded by the Rev. George Chapman, with an income of one hundred dollars.

TWO CARY SCHOLARSHIPS, founded by Thomas Cary, Esq., with an income of one hundred and twenty dollars each.

FOUR SCHOLARSHIPS ON THE JACKSON FOUNDATION, founded by Miss Sarah Jackson, with an income of one hundred and sixty dollars each.

The CLAPP SCHOLARSHIP, founded by Joshua Clapp, Esq.; with an income of one hundred and twenty-five dollars.

The KENDALL SCHOLARSHIP, founded on the donation of Miss Nancy Kendall, with an income of one hundred and forty dollars.

The JONAS H. KENDALL SCHOLARSHIP, founded by Jonas H. Kendall, Esq., with an income of one hundred and forty dollars.

2. The income of the bequest of Abner W. Buttrick, Esq., of Lowell, is awarded by the President and Fellows "to such deserving young men as they shall select, to aid them in preparing and educating themselves for the ministry of the Gospel." The annual income of this bequest is about six hundred and forty dollars.

3. The income of the William Pomroy Fund, amounting to about fifty dollars.

4. The income of the Hopkins Fund is awarded by a Board of Trustees to six students, who need aid, who must have received the degree of A.B., and have given evidence of diligent and successful study. The shares will probably amount to about three hundred and twenty-five dollars each.

5. The income of the Williams Fund is awarded, by the Society for promoting Theological Education, to students recommended by the Faculty, who comply with the requisitions of that Society. According to the terms of this bequest, the income is to be given to "such indigent students of Theology, resident in Cambridge, as shall be preparing themselves for the ministry, and shall be deemed most meritorious and worthy of assistance;" and "no student shall be debarred of this charity by reason of not having had a degree at a college, or being educated at any other college, or entertaining any peculiar modes of faith, it being always understood that he must be a Protestant." The income of the Williams Fund amounts to about four thousand dollars.

The incomes from these various sources may be so combined that a student who needs and merits such help may receive from \$200 to \$300..

6. For the year 1891-92 two Resident Williams Fellowships of \$500 each are offered to graduates of this or any other Theological School who purpose to enter the Christian ministry. These Fellowships are intended to encourage advanced theological work of a high order. Applications, accompanied by recommendations and specimens of work, must be made to the Dean as early as May 1st, 1891.

Resident graduates, not Williams Fellows, stand on the same footing as other students in regard to Scholarships and other pecuniary aid.

EXPENSES AND BONDS.

The average expenses for the year are : —

For rent and care of room	\$50.00
For tuition	50.00
For board, 38 weeks	152.00
For fuel	25.00
	<hr/>
	\$277.00

To which are to be added the expenses of washing and lights.

The price of rooms varies, according to their location and desirableness, from \$35 to \$80 per year. It is probable that the price of board at Memorial Hall will not exceed \$4.25 a week.*

* For board at the Foxcroft Club, see p. 196 of the University Catalogue.

For rooms in Divinity Hall application should be made to Charles F. Mason, Bursar.

This application should be made as early as possible in order that a choice may be secured.

The Bursar may cancel the assignment of a room to any student who does not take possession of it on or before the first day of October, unless he receives from the student an assurance that he is coming later.

The term-bills are issued December 22, March 22, and one week before Commencement, and are to be paid respectively on or before January 12, April 12, and October 10; but the third bills of candidates for degrees must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the School, his whole bill becomes payable at once.

The fee for instruction is \$50 a year. A student who joins the Divinity School after the beginning of the academic year will be charged for instruction from the beginning of the third in which he joins. One who leaves during the year will be charged for instruction only to the end of the third in which he leaves, if before that time he gives written notice of his withdrawal to the Dean; otherwise he will be charged for instruction to the end of the third in which such written notice is given. The first third begins at the beginning of the academic year and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

Every student must file a bond with the Bursar in the sum of \$200, signed by two bondsmen, one of whom must be a citizen of the United States, as security for the payment of his dues to the University; or he may deposit with the Bursar \$200 in money or in United States bonds, for the same purpose; or he may deposit \$50 as security, and pay his tuition fees in advance as follows:—one third on or before October 1, one third on or before January 1, and one third on or before April 1. Any student who takes advantage of the last rule must pay in advance the full year's rent of any College room which may be assigned to him, and, if he boards at Memorial Hall, must make a deposit at the rate of \$5 a week in advance. Interest is not allowed on deposits. No officer or student of the University will be accepted as a bondsman.

The Academic year begins the Thursday after the last Wednesday in September.

Further information will be furnished, if desired, on application to the Dean.

TABULAR VIEW OF THE EXERCISES IN HARVARD DIVINITY SCHOOL. 1891-92.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Assyrian 2.	Theology 2. Church History 2. ^b	Homiletics 1. ^a	Comp. Religion. Church History 2. ^b Assyrian 2.		Comp. Religion. Church History 2. ^b
10-11	Elocution.		Homiletics 2. ^a			Aramaic.
11-12	Theology 3. Hebrew 1. Elocution.	History of Israel. Church History 4.	Theology 3. Hebrew 1.	History of Israel. Church History 4.	Theology 3. Hebrew 1.	
12-1	New Testament 4. Assyrian 1. Elocution.	New Testament 2.	Hom. (<i>pric. crit.</i>). Homiletics (<i>lect.</i>). Aramaic.	New Testament 2.	New Testament 4. Assyrian 1.	
1.30-2.30	Elocution. (2-2.30)		Homiletics 2. ^a			
2.30-3.30	Hebrew Literature. ^a Elocution.	Hebrew Literature. ^a Church History 3.	Hebrew Literature. ^a	Hebrew Literature. ^a Church History 3.	Hebrew Religion.	
3.30-4.30	Elocution. (3.30-5)	Hebrew 2.		Hebrew 2.	Hebrew Religion.	

^a First half-year.^b Second half-year.^c On alternate Wednesdays.

THE LAW SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*

CHRISTOPHER C. LANGDELL, LL.D., *Dane Professor of Law, and Dean.*

JAMES BRADLEY THAYER, LL.D., *Professor of Law.*

JEREMIAH SMITH, LL.D., *Story Professor of Law.*

JOHN CHIPMAN GRAY, A.M., *Royall Professor of Law.*

JAMES BARR AMES, A.M., *Bussey Professor of Law.*

SAMUEL WILLISTON, A.M., *Assistant Professor of Law.*

FREDERICK PERRY FISH, A.B., *Lecturer on Patent Law.*

FRANK BREWSTER, A.M., *Instructor in the Peculiarities of Massachusetts Law and Practice.*

JOSEPH HENRY BEALE, A.M., *Instructor in Criminal Law and in the Law of Carriers.*

JOHN H. ARNOLD, *Librarian.*

STUDENTS.

THIRD YEAR.

NAME.	RESIDENCE.	ROOM.
Adams, Charles Francis, 2d, A.B. 1888,	Quincy,	17 Dunster St.
Bard, Albert Sprague, A.B. (<i>Amherst Coll.</i>) 1888,	Norwich, Conn.	1716 Cambridge St.
Beal, Boylston Adams, A.B. 1886,	Nahant,	104 Beacon St.,
Bigelow, William Reed, A.B. 1889,	Natick,	H. 26. [Boston.
Bunker, Clarence Alfred, A.B. 1889,	Roxbury,	C. 21.
Cushman, Charles Allerton, A.B. 1887,	Cambridge,	801 Main St.
Dexter, Philip, A.B. 1889,	Boston,	896 Main St.
Downer, Charles, A.B. 1889,	Boston,	W. 21. [Boston.
Dresel, Ellis Loring, A.B. 1887,	Boston,	328 Beacon St.,

Eaton, Francis Goodrich, A.B. 1889,	St. Louis, Mo.	W. 17.
Farnsworth, Charles, A.B. (<i>Brown Univ.</i>) 1889,	Cambridge,	18 Garden St.
Forbes, Ralph Emerson,	Milton,	24 Marlborough St., Boston.
Friend, Charles, A.B. 1888,	Milwaukee, Wis.	715 Cambridge St.
Gerstle, Marcus Lewis, A.B. 1889,	San Francisco, Cal.	17 Yarmouth St., Boston.
Gray, Gerald Hull,	Boston,	12 Brimmer St., [Boston.
Hall, Prescott Farnsworth, A.B. 1889,	Brookline,	W. 5.
Hatch, Pascal Enos, A.B. (<i>Washington Univ.</i>) 1888,	Springfield, Ill.	H. 19.
Hight, Clarence Albert, A.B. 1889,	Portland, Me.	S. 25.
Hildreth, Samuel Dawley, A.B. 1889,	Gloucester,	T. 3.
Hinckley, Edward Barrett, A.B. (<i>Yale Univ.</i>) 1889,	Northampton,	467 Broadway.
Holliday, Guy Harold, A.B. 1889,	Roxbury,	C. 21.
Howe, Gurdon Saltonstall, A.B. 1889,	Haverhill.	S. 25.
Hull, Morton Denison, A.B. 1889,	Chicago, Ill.	H'y 23.
Hunnean, Carleton, A.B. 1889,	Roxbury,	T. 15.
Hunt, James Wright,	Martinsville, O.	34 Bigelow St.
Jacobs, Frederick Boyden, A.B. 1889,	Norwell,	H'ke 33.
Jarvis, Samuel Fremor, Jr., A.B. (<i>Trinity Coll.</i>) 1889,	Brooklyn, Conn.	46 North Ave.
Kellogg, Henry Theodore, A.B. 1889,	Plattsburgh, N. Y.	Wadsw'th House 11.
Kimball, Moses Day, A.B. 1889,	Boston,	325 Commonwealth
King, James Gore, A.B. 1889,	New York, N. Y.	T. 13. [Ave., Boston.
Lord, Frederic Breed, A.B. 1889,	Sacramento, Cal.	S. 19.
Mosle, A. Henry, A.B. (<i>Yale Univ.</i>) 1889,	New York, N. Y.	94 Prescott St.
Nichols, John Taylor, L.B. (<i>Cornell Univ.</i>) 1889,	Battle Creek, Mich.	4 Spruce St., [Boston.
Niles, Edward Cullen, A.B. (<i>Trinity Coll.</i>) 1887,	Concord, N. H.	46 North Ave.
Partridge, Lasell Ellison, A.B. 1889,	Orland, Me.	S. 24.
Prescott, Oliver, A.B. 1889,	New Bedford,	94 Prescott St.

Reddy, Anthony William, Jr.	<i>Newburyport,</i>	409 Broadway.
Saxe, James Alfred, A.B. (<i>Wes-</i> <i>leyan Univ.</i>) 1885, A.B. (<i>Har-</i> <i>vard Univ.</i>) 1888, A.M. (<i>Wes-</i> <i>leyan Univ.</i>) 1888,	<i>Brookline,</i>	[Brookline. Washington St.,
Saxe, John Walter, A.B. 1888,	<i>Brookline,</i>	Washington St., Brookline.
Sears, Philip Shelton, A.B. 1889,	<i>Nahant,</i>	51 Beacon St., Bos-
Seavey, William Munro, A.B. 1885,	<i>Roxbury,</i>	46 North Ave. [ton.
Sellers, Matthew Bacon,	<i>Cambridge,</i>	101 Trowbridge St.
Skinner, Sherwood Arthur Man- ning, A.B. (<i>Univ. of New Bruns-</i> <i>wick</i>) 1889,	<i>St. John, N. B.</i>	58 Hammond St.
Spencer, Charles Winthrop, A.B. 1890,	<i>Cambridge,</i>	19 Garfield St.
Ward, Andrew Henshaw, Jr., A.B. 1885,	<i>Allston,</i>	60 Linden St., All-
Wetmore, Charles Delevan, A.B. 1889,	<i>Jamestown, N. Y.</i>	[ston. Manter Block 1.
Woodworth, Fred, A.B. (<i>Pacific</i> <i>Methodist Coll.</i>) 1889,	<i>Tomales, Cal.</i>	Felton Building 27.
Wright, George Elliot, A.B. 1889,	<i>Townsend,</i>	S. 27.

SECOND YEAR.

Abbot, Philip Stanley, A.B. 1890,	<i>Cambridge,</i>	1 Follen St.
Adams, Benjamin Haywood, A.B. (<i>Princeton Coll.</i>) 1890,	<i>Elizabeth, N. J.</i>	Little's Block 31.
Adler, Isaac, A.B. 1890,		H'ke 24.
Albee, Sumner Rankin, A.B. 1889,	<i>Cambridge,</i>	30 Essex St.
Aldrich, Harry Macfarland, A.B. 1890,	<i>Boston,</i>	[Boston. 228 Newbury St.,
Anderson, Andrew William, L.B. (<i>Univ. of Wisconsin</i>) 1890,	<i>Fonvard, Wis.</i>	13 Mt. Auburn St.
Auerbach, Junius Theodore, L.B. (<i>Cornell Univ.</i>) 1890,	<i>Buffalo, N. Y.</i>	20 Trowbridge St.
Aulick, Richmond Ogston, A.B. (<i>Princeton Coll.</i>) 1889,	<i>Trenton, N.J.</i>	2 Holmes Pl.
Bacon, Francis Warren, A.B. 1890,	<i>Bedford,</i>	750 Cambridge St.
Bar, William Craothers,	<i>Brownsville, Pa.</i>	14 Shepard St.
Barbour, George Taylor, A.B. (<i>Central Univ. of Kentucky</i>) 1889,	<i>Maysville, Ky.</i>	423 Broadway.

Barnes, Charles Benjamin, Jr., A.B. 1890,	<i>Boston,</i>	111 Marlborough St., Boston.
Barret, Alex Galt, A.B. 1889,	<i>Louisville, Ky.</i>	739 Cambridge St.
Berry, Edward Sidney, A.B. 1891,	<i>Cambridge,</i>	413 Broadway.
Bigelow, Ernest Abraham, A.B. 1890,	<i>Chestnut Hill,</i>	896 Main St.
Blaney, Charles Préaut, A.B. 1890,	<i>Cambridge,</i>	12 Remington St.
Brandenstein, Henry Ulysses, A.B. 1890,	<i>San Francisco, Cal.</i>	17 Yarmouth St., [Boston.]
Burgess, Edward Phillips, Jr., A.B. (<i>Princeton Coll.</i>) 1890,	<i>Dedham,</i>	Little's Block 31.
Burleigh, Parker Prescott, 2d, A.B. (<i>Colby Univ.</i>) 1889,	<i>Houlton, Me.</i>	Felton Building 27.
Burnham, Addison Center, A.B. 1890,	<i>Cambridge,</i>	68 Inman St.
Cabot, Frederick Pickering, A.B. 1890,	<i>Brookline,</i>	G. 32.
Cary, Robert John, A.B. 1890,	<i>Milwaukee, Wis.</i>	W. H. 10.
Castle, Kendall Brooks, A.B. (<i>Univ. of Toronto</i>) 1889,	<i>Rochester, N. Y.</i>	17 Mt. Auburn St.
Chamberlin, Leigh Wentworth, A.B. 1890,	<i>Boston,</i>	28 Chestnut St., [Boston.]
Chard, Thomas Chester, A.B. 1890,	<i>Buffalo, N. Y.</i>	60 Brattle St.
Clarke, Henry Martyn, Jr. A.B. 1888,	<i>Boston,</i>	918 Beacon St., [Boston.]
DeLong, Frank La Mont, A.B. 1890,	<i>Novato, Cal.</i>	W. 40.
Dexter, Samuel, A.B. 1890,	<i>Chicago, Ill.</i>	Beck Building 5.
Drew, Bertrand Lee, A.B. 1890,	<i>Cambridge,</i>	122 Oxford St.
Ewing, Thomas, Jr., A.B. (<i>Amerst Coll.</i>) 1889,	<i>Pittsburgh, Pa.</i>	14 Mellen St.
Fairbank, Kellogg, A.B. 1890,	<i>Chicago, Ill.</i>	Hilton Block 25.
Farley, John Henry,	<i>Holyoke,</i>	50 Kirkland St.
Farr, Walter Bates, A.B. (<i>Colby Univ.</i>) 1887, A.M. (<i>Ibid.</i>) 1890,	<i>Oakland, Me.</i>	1680 Cambridge St.
Ferris, Cornelius, Jr.	<i>Denver, Col.</i>	31 Bigelow St.
Fisher, Hiram Robinson, A.B. (<i>Univ. of New Brunswick</i>) 1889,	<i>St. John, N. B.</i>	24 Mellen St.
Fisher, John Carey, A.B. (<i>Univ. of New Brunswick</i>) 1889,	<i>St. John, N. B.</i>	24 Mellen St.
Fogg, Horace Tower, A.B. 1890,	<i>Norwell,</i>	H. 22.

Gilbert, Miles Safford, A.B. (<i>Racine Coll.</i>) 1889,	Cairo, Ill.	882 Main St.
Gilbert, William Candee, A.B. (<i>Racine Coll.</i>) 1889,	Cairo, Ill.	882 Main St.
Gloag, Ralph Wardlaw, Port Elizabeth, So. Africa,	15 $\frac{1}{2}$ Shepard St.	
Goodwin, Frederic Sprague, A.B.	[Boston.	
1890,	Boston,	183 Falmouth St.,
Graham, John Dickson, A.B. 1890,	Cambridge,	57 Third St.,
		E. Cambridge.
Green, Frederick, A.B. 1889,	Cambridge,	48 Buckingham St.
Green, Theodore Francis, A.B. (<i>Brown Univ.</i>) 1887, A.M.		
(<i>Ibid.</i>) 1890,	Providence, R. I.	713 Cambridge St.
Hadlock, Albert Emerson, A.B. (<i>Dartmouth Coll.</i>) 1887, A.M.		
(<i>Ibid.</i>) 1890,	Milford, N. H.	4 Orchard St.
Hallowell, James Mott, A.B. 1888,	W. Medford,	T. 7.
Hapgood, Norman, A.B. 1890,	Alton, Ill.	9 Riedesel Ave.
Harrison, Richard Calhoun, A.B. 1890,	San Francisco, Cal.	M. 51.
Healey, Arthur Everett, A.B. 1891,	Lynn,	Read's Block 4.
Hempstead, David Bill, A.B. (<i>Univ. of Michigan</i>), 1890,	Salt Lake City, Utah,	50 Winthrop St.
Holden, Hale, A.B. (<i>Williams Coll.</i>) 1890,	Kansas City, Mo.	25 Holyoke St.
Horton, Walter Gregg, A.B. 1888, A.M. 1890,	Boston,	W. H. 26.
Hovey, Frederick Howard, A.B. (<i>Brown Univ.</i>) 1890,	Newton Centre,	W. H. 38.
Hudson, Henry, A.B. 1890,	Knoxville, Tenn.	C. 5.
Hurd, George Arthur, A.B. (<i>Yale Univ.</i>) 1890,	New York, N. Y.	102 Mt. Auburn St.
Keep, Roger Wolcott, A.B. 1887,	Lockport, N. Y.	1 Garden St.
Kimball, Sereno Thayer, A.B. (<i>Amherst Coll.</i>) 1890,	Rockland, Me.	1709 Cambridge St.
Leeds, Richard Arthur,	Boston,	16 Mellen St.
Leland, Charles Frothingham,	New York, N. Y.	Beck Building 7.
Lewis, Richard Field, A.B. 1890,	Boston,	69 Mt. Auburn St.
Lounsbury, Edward Haskell, A.B. 1884,	Woburn,	36 Pleasant St.,
Lund, Joseph Wheelock, A.B. 1890,	Concord, N. H.	[Woburn.
Mack, Edwin Solomon, A.B. 1891,	Milwaukee, Wis.	H. 25.
		750 Cambridge St.

McKechnie, William George, A.B.		
(<i>Georgetown Coll.</i>) 1890, A.B.		
(<i>Columbia Coll.</i>) 1891,	<i>Springfield,</i>	29 Putnam Ave.
McMurry, James Geoffrey, A.B.		
(<i>Brown Univ.</i>) 1890,	<i>Union City, Tenn.</i>	Felton Building 34.
MacPherson, Henry Stephens,	<i>E. Boston,</i>	T. 55.
Marvin, William Edward,	<i>Portsmouth, N. H.</i>	11 Mellen St.
Mason, Frank,	<i>Bethel, Me.</i>	45 Mt. Auburn St.
Matthaei, Wolfgang Arnold,	<i>Bellville, Texas,</i>	34 Bigelow St.
Meagher, John Battelle, L.B.		
(<i>Notre Dame Coll.</i>) 1889,	<i>Mankato, Minn.</i>	40 Kirkland St.
Merrill, John Douglas, A.B. 1889,	<i>Lawrence,</i>	T. 48.
Morgan, Clement Garnett, A.B.		
1890,	<i>Cambridge,</i>	139 Columbia St.
Morton, Andrew Marcus, A.B.		
1890,	<i>Boston,</i>	34½ Shepard St.
Mumford, George Dana, A.B.		
(<i>Columbia Coll.</i>) 1889, A.M.		
(<i>Harvard Univ.</i>) 1891,	<i>New York, N. Y.</i>	60 Brattle St.
Newell, James Montgomery, A.B.		
1889,	<i>Roxbury,</i>	T. 15.
Nichols, James Osgood, A.B.		
(<i>Williams Coll.</i>) 1890,	<i>Haverhill,</i>	S. 15.
Nields, John Percy, A.B. 1889,	<i>Wilmington, Del.</i>	12 Appian Way.
Nott, Charles Cooper, Jr., A.B.		
(<i>Williams Coll.</i>) 1890,	<i>Washington, D. C.</i>	25 Holyoke St.
Patton, William Lanphier,	<i>Springfield, Ill.</i>	G. 50.
Paul, John Jay, PH.B. (<i>Pennsyl-</i>		
<i>vania Military Acad.</i>) 1889,	<i>La Crosse, Wis.</i>	38 North Ave.
Paul, Wesley, A.B. 1889,	<i>E. Saugus,</i>	21 Newhall St.,
		E. Saugus.
Perry, Gardner, A.B. 1889,	<i>Dedham,</i>	Wadsworth House 5.
Pulsifer, George Royal, A.B. 1888,	<i>Newtonville,</i>	721 Cambridge St.
Rice, Harry Norman, A.B. 1891,	<i>Worcester,</i>	H'y 14.
Rolfe, Charles Joseph, A.B. 1890,	<i>Cambridge,</i>	405 Broadway.
Sackett, Frederic Moseley, Jr.,		
A.B. (<i>Brown Univ.</i>) 1890,	<i>Providence, R. I.</i>	10 Frisbie Pl.
Selfridge, George Shepley,	<i>Charlestown,</i>	U. S. Navy Yard,
Skinner, Charles St. Clair, A.B.		[Charlestown.
(<i>Univ. of New Brunswick</i>)		
1890,	<i>St. John, N. B.</i>	58 Hammond St.
Slattery, Charles Henry, A.B.		[So. Boston.
1889,	<i>So. Boston,</i>	524 E. Broadway,

Sloss, Marcus Cauffman, A.B. 1890,	<i>San Francisco, Cal.</i>	17 Yarmouth St., Boston.
Smith, Charles Francis Appleton, Stafford, William Harrison, Jr., A.B. (<i>Philadelphia Central High School</i>) 1889,	<i>Waltham,</i> <i>Milwaukee, Wis.</i>	786 Lincoln St., [Waltham]. 122 Oxford St.
Stearns, Charles Falconer, A.B. (<i>Amherst Coll.</i>) 1889,	<i>Pawtucket, R. I.</i>	1716 Cambridge St.
Stebbins, Frank Stanley, A.B. 1890,	<i>Tunkhannock, Pa.</i>	C. 17.
Surbridge, Randolph Cassius, A.B. 1889,	<i>Denver, Col.</i>	160 North Ave.
Sweeny, Arthur, A.B. 1890,	<i>New York, N. Y.</i>	454 Broadway.
Thompson, Helmus Wells, A.B. (<i>State Univ. of Minn.</i>) 1888,	<i>Lacrosse, Wis.</i>	6 Felton St.
Van Deventer, Horace, PH.B. (<i>Univ. of Michigan</i>) 1890,	<i>Cambridge,</i>	40 Kirkland St.
Vaughan, Henry Goodwin, A.B. 1890,	<i>Cambridge,</i>	24 Concord Ave.
Ward, Christopher Longstreth, A.B. (<i>Williams Coll.</i>) 1890,	<i>Wilmington, Del.</i>	25 Holyoke St.
Wardner, George Philip, A.B. 1890,	<i>Boston,</i>	Read's Block 2.
Ware, Richard Darwin, A.B. 1890,	<i>Boston,</i>	H'ke 49.
Warren, Charles, A.B. 1889,	<i>Dedham,</i>	Wadsworth House 5.
Washburn, Robert Morris, A.B. 1890,	<i>Worcester,</i>	2 Holmes Pl.
Wasserman, Samuel, Wells, Wellington, A.B. 1890,	<i>Amsterdam, N. Y.</i> <i>Cambridge,</i>	423 Broadway. M. 45.
Whitehouse, Robert Treat, A.B. 1891,	<i>Augusta, Me.</i>	404 Harvard St.
Whitney, Edward Samuel, A.B. (<i>Amherst Coll.</i>) 1890,	<i>Bennington, N. H.</i>	14 Mellen St.
Wiltbank, Macpherson, Winter, Charles Albert, A.B. (<i>Mac- alester Coll., St. Paul, Minn.</i>)	<i>Philadelphia, Pa.</i>	713 Cambridge St.
1889,	<i>Portsmouth, O.</i>	12 Kirkland Pl.
Woodbury, Thornton, A.B. 1889,	<i>Bedford, N. H.</i>	35 Mt. Vernon St., [Boston].
Wylie, Horace, A.B. (<i>Yale Univ.</i>) 1889,	<i>Washington, D. C.</i>	Little's Block 18.

FIRST YEAR.

Adler, Simon Louis, L.B. (<i>Cornell Univ.</i>) 1889,	Rochester, N. Y.	H'ke 24.
Atkins, Herbert French, A.B. (<i>Illinois Coll.</i>) 1885, A.M. (<i>Ibid.</i>) 1888, A.B. (<i>Harvard Univ.</i>) 1889,	Jacksonville, Ill.	15 Avon St.
Baker, Harvey Humphrey, A.B. 1891,	Brookline,	G. 16.
Bangs, Francis Reginald, A.B. 1891,	Wareham,	52 Brattle St.
Barlow, Robert Shaw, A.B. 1891,	New York, N. Y.	52 Brattle St.
Barnes, Joseph Henry, Jr., A.B. 1891,	Boston,	[E. Boston. 111 Trenton St.,
Barnett, James Foote, A.B. (<i>Yale Univ.</i>) 1891,	Grand Rapids, Mich.	52 Kirkland St.
Bass, John Foster, A.B. 1891,	Chicago, Ill.	59 Brattle St.
Betts, Louis Frederic Holbrook, A.B. (<i>Yale Univ.</i>) 1891,	New York, N. Y.	12 Appian Way.
Blaney, Charles Crosby, A.B. 1891,	Roxbury,	H'y 9.
Boardman, Elijah George, A.B. (<i>Yale Univ.</i>) 1891,	Cleveland, O.	40 North Ave.
Bowers, Hiester Azarus, A.B. (<i>Franklin and Marshall Coll.</i>) 1887,	Cambridge,	31 Hudson St.
Brooks, Arthur Hendricks, A.B. 1891,	Cambridge,	5 Ash St.
Brooks, Charles Twing, A.B. (<i>Yale Univ.</i>) 1889,	Salem, O.	94 Prescott St.
Brooks, Franklin Herrick, A.B. 1890,	Boston,	
Brooks, Lawrence, A.B. 1891,	Boston,	60 Brattle St.
Brown, Frederick Wires, A.B. 1891,	Hyde Park,	H'y 9.
Burleigh, Lewis Albert, A.B. (<i>Bowdoin Coll.</i>) 1891,	Augusta, Me.	1686 Cambridge St.
Burling, Edward Burnham, A.B. 1891,	Eldora, Ia.	T. 68.
Burlingham, Frederick Wright, A.B. 1891,	Chicago, Ill.	Little's Block 16.
Burr, Arthur Ellington, A.B. 1891,	Boston,	T. 46.

Carney, Thomas Francis, A.B.		
(<i>Georgetown Coll.</i>) 1891,	<i>Lawrence,</i>	W. 35.
Carson, William Henry, A.B.		
(<i>Johns Hopkins Univ.</i>) 1890,	<i>Seattle, Wash.</i>	15 Shepard St.
Cavanagh, Charles Tower, A.B.		
(<i>Notre Dame Univ.</i>) 1891,	<i>Chicago, Ill.</i>	1680 Cambridge St.
Chamberlain, Frank Clifford,	<i>Cambridgeport,</i>	167 Brookline St., Cambridgeport.*
Chamberlin, Fred Carleton,	<i>No. Abington,</i>	42 Mt. Auburn St.
Chase, Frederic Hathaway,	<i>Concord,</i>	M. 29.
Childs, Edwards Herrick, A.B.		
(<i>Williams Coll.</i>) 1891,	<i>Cleveland, O.</i>	40 Kirkland St.
Childs, Starling Winston, A.B.		
(<i>Yale Univ.</i>) 1891,	<i>Pittsburgh, Pa.</i>	54 Garden St.
Cilley, Jonathan Prince, A.B.		
(<i>Bowdoin Coll.</i>) 1891,	<i>Rockland, Me.</i>	24 Mt. Auburn St.
Cody, Maurice Jefferson,	<i>Lexington,</i>	Memorial St., [Lexington.
Cook, Chester Aquila, A.B.		
(<i>Brown Univ.</i>) 1891,	<i>Woonsocket, R.I.</i>	713 Cambridge St.
Cox, John Jouglin, A.B. (<i>Yale Univ.</i>) 1891,	<i>Peekskill, N. Y.</i>	11 Mason St.
Crosby, John, A.B. (<i>Yale Univ.</i>) 1890,	<i>Minneapolis, Minn.</i>	18 Appian Way.
Dabney, Frederick Lewis, A.B.		[Boston.
1891,		298 Beacon St.,
Daggett, Frederick Johnson, A.B.		
(<i>Bates Coll.</i>) 1889,	<i>Antrim, N. H.</i>	715 Cambridge St.
Dalzell, William Sage, A.B. (<i>Yale Univ.</i>) 1891,	<i>Pittsburgh, Pa.</i>	54 Garden St.
Davies, Julien Townsend, A.B.		
(<i>Columbia Coll.</i>) 1891,	<i>New York, N. Y.</i>	16 Oxford St.
Davis, Horace Andrew, A.B. 1891,	<i>Cambridge,</i>	W. H. 52.
Davis, Robert Howe, A.B. 1891,	<i>Cambridge,</i>	110 Irving St.
Dodge, John Lockwood, A.B. 1891,	<i>Council Bluffs, Ia.</i>	66 St. James Ave., Boston.
Duff, John, A.B. 1891,	<i>Jamaica Plain,</i>	69 Mt. Auburn St.
Du Pont, Louis Cazenove, A.B.		
(<i>Yale Univ.</i>) 1891,	<i>Wilmington, Del.</i>	40 North Ave.
Edwards, James Lewis,	<i>Quincy,</i>	Quincy.
Edwards, Seeber, A.B. (<i>Brown Univ.</i>) 1891,	<i>Providence, R.I.</i>	18 Trowbridge Pl.
Elsas, Benjamin,	<i>Atlanta, Ga.</i>	W. H. 51.
Fennessy, James Henry,	<i>New York, N. Y.</i>	T. 35.

Fiske, George Stanley, A.B. 1891,	<i>Falmouth,</i>	261 Clarendon St.,
Flint, Wyman Kneeland, A.B. 1891,	<i>Milwaukee, Wis.</i>	[Boston. Read's Block 10.
Ford, James Albert, A.B. (<i>Adelbert Coll.</i>) 1891,	<i>Cleveland, O.</i>	16 Oxford St.
Ford, Jeremiah Denis, A.B.	<i>E. Cambridge,</i>	90 Sixth St.,
Fortney, Richard Leslie, A.B. (<i>National Normal Univ.</i>) 1888,	<i>Lebanon, O.</i>	[E. Cambridge. 12 Kirkland Pl.
Frahm, Hans, Jr., L.B. (<i>Univ. of Illinois</i>) 1891,	<i>Tuscola, Ill.</i>	713 Cambridge St.
Franklin, Robert Maynard, A.B. 1891,	<i>Newport, R.I.</i>	1750 Cambridge St.
Gillette, George Ridley,	<i>Cambridge,</i>	C. 7.
Gillrain, James Martin, A.B. (<i>Brown Univ.</i>) 1891,	<i>Providence, R.I.</i>	24 Mt. Auburn St.
Goding, Edward Nathan, A.B. (<i>Bowdoin Coll.</i>) 1891,	<i>Alfred, Me.</i>	24 Mt. Auburn St.
Gould, Benjamin Apthorp, Jr., A.B. 1891,	<i>Cambridge,</i>	T. 27.
Hammond, Charles Frederick, S.B. (<i>Mass. Inst. Tech.</i>) 1891,	<i>Detroit, Mich.</i>	Quincy Building 9.
Hand, Augustus Noble, A.B. 1890,	<i>Elizabethtown, N. Y.</i>	54 Garden St.
Harrison, Phillips Julian, A.B. 1891,	<i>San Francisco, Cal.</i>	M. 51.
Henderson, Wilbur Franklin, A.B. 1891,	<i>Chicago, Ill.</i>	Beck Building 45.
Hill, Arthur Dehon,	<i>Boston,</i>	37 Brattle St.
Hinckley, Frank Leonard, A.B. (<i>Brown Univ.</i>) 1891,	<i>Providence, R.I.</i>	13 Trowbridge Pl.
Hitchcock, George Collier, A.B. (<i>Yale Univ.</i>) 1890,	<i>St. Louis, Mo.</i>	18 Appian Way.
Hopkins, Louis Lawton, A.B. (<i>Yale Univ.</i>) 1891,	<i>Brookline,</i>	Park St., Brookline.
Hopkins, William Henry, A.B. (<i>Brown Univ.</i>) 1891,	<i>Providence, R.I.</i>	18 Sumner St.
Howland, Charles Prentice, A.B. (<i>Yale Univ.</i>) 1891,	<i>New York, N. Y.</i>	54 Garden St.
Hubbard, William Wingate, A.B. (<i>Bowdoin Coll.</i>) 1890,	<i>Bangor, Me.</i>	717 Cambridge St.
Hughes, Gordon Taylor,	<i>Hamilton, O.</i>	96 Prescott St.
Hyams, Chapman Henry, Jr.,	<i>New Orleans, La.</i>	Beck Building 6.
Jackson, John Day, A.B. (<i>Yale Univ.</i>) 1890,	<i>New York, N. Y.</i>	104 Mt. Auburn St.

Jenkins, Thomas Clifton,	<i>Pittsburgh, Pa.</i>	H'ke 41.
Johnson, Cedric Edgar, A.B.		
(<i>Oberlin Coll.</i>) 1890,	<i>Kenton, O.</i>	56 Mt. Auburn St.
Jones, William Preble, A.B. 1891,	<i>Somerville,</i>	50 Vernon St.,
		Somerville.
Jordan, Ivory Chandler, A.B.		
(<i>Bowdoin Coll.</i>) 1891,	<i>Auburn, Me.</i>	S. 14.
Kaulbach, Rupert John Creighton		
Sawyer, A.B. (<i>Univ. of Bishop's</i>		
<i>Coll.</i>) 1891,	<i>Lunenburg, N.S.</i>	16 Oxford St.
Krebs, Franz Hugo, Jr.,	<i>Boston,</i>	42 Union Park,
		Boston.
Lefurgey, Alfred Alexander, A.B.		
(<i>Mt. Allison Univ.</i>) 1891,	<i>Summerside, P.E.I.</i>	16 Oxford St.
Lewis, Charles Allen, A.B. 1890,	<i>Indianapolis, Ind.</i>	11 Appian Way.
Lowell, James Arnold, A.B. 1891,	<i>Chestnut Hill,</i>	17 Dunster St.
McClintock, William Henry, A.B.		
(<i>Fordham Coll.</i>) 1888,	<i>Springfield,</i>	60 Mt. Auburn St.
McClung, Robert Gardner, A.B.		
(<i>Yale Univ.</i>) 1891,	<i>Knoxville, Tenn.</i>	52 Kirkland St.
McGeoch, Arthur Nye, A.B. 1891,	<i>Milwaukee, Wis.</i>	1 Garden St.
McIntyre, Charles Haddon, A.B.		
(<i>Acadia Univ.</i>) 1889, A.B.		
(<i>Harvard Univ.</i>) 1891,	<i>Springfield, N.B.</i>	Hilton Block 4.
McMahon, Thomas James,	<i>Boston,</i>	890 Main St.
McNear, Fred William, S.B.		
(<i>Univ. of Cal.</i>) 1890, A.B.		
(<i>Harvard Univ.</i>) 1891,	<i>Oakland, Cal.</i>	H'y 19.
Mairs, George Hope,	<i>Irrington, N. Y.</i>	Beck Building 27.
Merrill, John Fuller Appleton,		
A.B. (<i>Yale Univ.</i>) 1889,	<i>Portland, Me.</i>	Irving Pl.
Montague, Henry Bradford, L.B.		
(<i>Univ. of Cal.</i>) 1891,	<i>Oakland, Cal.</i>	61 Brattle St.
Morris, Homer, PH.B. (<i>Marietta</i>		
<i>Coll.</i>) 1890,	<i>Hamilton, O.</i>	74 Sacramento St.
Morse, Lewis Kennedy, A.B. 1891,	<i>Roxbury,</i>	S. 13.
Morton, Galloupe, A.B. 1891,	<i>Swampscott,</i>	W. H. 52.
Morton, James Madison, A.B. 1891,	<i>Fall River,</i>	H'ke 25.
Neave, Charles, A.B. (<i>Yale Univ.</i>)		
1888, S.B. (<i>Mass. Inst. Tech.</i>)		
1890,	<i>Cambridge,</i>	5 Brewster St.
Newman, Albert Kansas, A.B.		
(<i>Bowdoin Coll.</i>) 1891,	<i>E. Wilson, Me.</i>	298 Broadway.

Nolen, William Whiting, A.B. 1884, A.M. 1886,	Cambridge,	Manter Block 2.
Noyes, Winthrop Sargent Gilman, A.B. (<i>Yale Univ.</i>) 1891,	St. Paul, Minn.	54 Garden St.
Paine, John Bryant, A.B. 1891,	Weston,	Beck Building 35.
Palmer, Edward Humphreys, S.B. (<i>Univ. of France</i>) 1890,	Boston,	[Boston. 98 Mt. Vernon St.,
Parsons, Herbert, A.B. (<i>Yale Univ.</i>), 1890,	New York, N. Y.	94 Prescott St.
Parsons, Percival Grosvenor,	Boston,	34 North Ave.
Percival, David Crowell, Jr. A.B. 1891,	Boston,	T. 55.
Perkins, Thomas Nelson, A.B. 1891,	Milton,	16 Oxford St.
Plumb, Glenn Edward, Ph.B. (<i>Oberlin Coll.</i>) 1891,	Streator, Ill.	50A Kirkland St.
Poehler, Louis Charles, LL.B. (<i>Kansas State Univ.</i>) 1890,	Lawrence, Kans.	17 Mellen St.
Potter, Clarkson Alonzo,	New Rochelle, N. Y.	
Quinn, John Cornelius, A.B. (<i>Brown Univ.</i>) 1888,	Providence, R. I.	25 Mt. Auburn St.
Rhinclander, Philip Mercer, A.B. 1891,	New York, N. Y.	Beck Building 34.
Richard, Joseph Clement, A.B. (<i>St. Xavier Coll.</i>) 1891,	Cincinnati, O.	Beck Building 41.
Scales, Otto Clifford, A.B. (<i>Bowdoin Coll.</i>) 1891,	Wilton, Me.	298 Broadway.
Scheuer, Lewis Moses,	Avondale, O.	M. 48.
Scribner, Frank Kimball, A.B. (<i>Williams Coll.</i>) 1890,	New York, N. Y.	38 North Ave.
Sears, William Richard, A.B. 1891,	Boston,	Little's Block 16.
Sheffield, Justus Pearl, A.B. 1891,	New York, N. Y.	739 Cambridge St.
Smith, Charles Francis,	Boston,	300 Beacon St.,
Smith, Daniel Leon, L.B. (<i>Dartmouth Coll.</i>) 1891,	Lebanon, N. H.	[Boston. 715 Cambridge St.
Smith, William Bryce,	Connellsville, Pa.	126 Mt. Auburn St.
Soule, Frank Enos,	Newton,	W. H. 2.
Stapleton, John Francis, Jr.	Holyoke,	29 Putnam Ave.
Stearns, Arthur Kendall,	Brooklyn, N. Y.	1750 Cambridge St.
Stearns, Charles Ephraim, A.B. 1891,	Waltham,	M. 45.
Stearns, Victor Alonzo, L.B. (<i>Univ. of Minn.</i>) 1891,	Duluth, Minn.	50 Kirkland St.

Stevenson, Charles, A.B. (<i>Wash. and Jeff. Coll.</i>) 1891,	<i>Maysville, Ky.</i>	44 Langdon.
Stickney, Weston, A.B. 1891,	<i>New York, N. Y.</i>	W. H. 15.
Stiness, Edward Clinton, A.B. (<i>Brown Univ.</i>) 1890,	<i>Pawtucket, R. I.</i>	10 Frisbie Pl.
Stockton, Lawrence Mason, A.B. 1891,	<i>Boston,</i>	W. H. 15.
Strout, Henry Francis A.B. 1890,	<i>Portland, Me.</i>	14 Craigie St.
Tanner, Joseph Marion,	<i>Logan, Utah,</i>	421 Broadway.
Tatem, Joseph Fithian, S.B. (<i>Univ. of Penn.</i>) 1889,	<i>Haddenfield, N.J.</i>	18 Sumner St.
Tatman, Charles T,	<i>Worcester,</i>	37 Trowbridge St.
Tillinghast, William Richmond, A.B. (<i>Brown Univ.</i>) 1879,	<i>Providence, R. I.</i>	14 Cottage Pl.
Tisdale, Archibald Read,	<i>Norwood,</i>	12 Oxford St.
Trusdell, William Campbell, S.B. (<i>Princeton Coll.</i>) 1890,	<i>Newark, N.J.</i>	44 Brattle St.
Vail, Thomas Grow,	<i>Hartford, Conn.</i>	H. 1. [Charlestown.
Wall, James Francis,	<i>Charlestown,</i>	6 Madison Ave.,
Weld, Alfred Rodman, A.B. 1891,	<i>Dedham,</i>	T. 8.
Williams, Moses, Jr., A.B. 1891,	<i>Brookline,</i>	16 Oxford St.
Wingate, Harry Cargill, A.B. (<i>Bowdoin Coll.</i>) 1890.	<i>Bangor, Me.</i>	13 Mellen St.
Winslow, Charles Gibson,	<i>Boston,</i>	48 Brattle St.
Winthrop, Frederic Bayard, A.B. 1891,	<i>New York, N. Y.</i>	Beck Building 4.
Young, James Everett,	<i>Dorchester,</i>	S. 6.

SPECIAL STUDENTS.

Bartholomay, Henry, Jr.,	<i>Rochester, N. Y.</i>	17 Mt. Auburn St.
Brooks, Lawrence,	<i>Atlanta, Ga.</i>	H. 9.
Burbank, Robert Abraham,	<i>Pittsfield,</i>	465 Broadway.
Burnham, George Edwin,	<i>Hartford, Conn.</i>	137 Mt. Auburn St.
Butler, William Joseph,	<i>Springfield, Ill.</i>	52A Kirkland St.
Campbell, Frederick Barber,	<i>Brooklyn, N. Y.</i>	16 Oxford St.
Campbell, Ross,	<i>Santa Rosa, Cal.</i>	16 Story St.
Case, Marvin Loomis,	<i>Greenville, Pa.</i>	11 Sumner St.
Cloyes, William Elijah,	<i>Cambridge,</i>	Manual Training
Conger, Frank Harrison,	<i>Cleveland, O.</i>	7 Brown St. [School.
Copp, Arthur Bliss,	<i>Joliet, N.B.</i>	140 Mt. Auburn St.
Courtney, Henry Stephen,	<i>Lowell,</i>	9 Banks St.
Crapo, Philip Ashley,	<i>Burlington, Ia.</i>	710 Cambridge St.

Dowsett, Edward,	<i>Honolulu, Hawaiian Islands,</i>	Quincy Building 2.
Evins, Samuel Halcombe,	<i>Spartanburg, S. C.</i>	Felton Building 1.
Evins, Samuel Nesbitt,	<i>Spartanburg, S. C.</i>	Felton Building 1.
Fisk, Arthur Gilman,	<i>San Francisco, Cal.</i>	750 Cambridge St.
Goodwin, Harry Kennard,	<i>Cleveland, O.</i>	37 Putnam Ave.
Hickman, Charles Smith,	<i>Dorchester, N. B.</i>	D. 37.
Hill, James Davis,	<i>Cambridge,</i>	8 Foster St.
Hodder, James Riley,	<i>New York, N. Y.</i>	21 Craigie St.
Howard, Joseph Henry Poett,	<i>San Mateo, Cal.</i>	
Hurley, John Henry,	<i>E. Cambridge,</i>	146 Spring St.
Jacks, Will,	<i>Monterey, Cal.</i>	27 Blagden St.,
Jones, George Washington,	<i>Cleveland, O.</i>	7 Brown St. [Boston.
Kaufman, William, LL.B. (<i>Univ. of Mich.</i>) 1891,	<i>Allegheny City, Pa.</i>	44 Langdon St.
Knapp, Arthur Taylor,	<i>Watertown,</i>	Watertown.
Lowe, Gilman Smith,	<i>Boston,</i>	W. H. 25.
McKeon, Thomas James, LL.B. (<i>Notre Dame Univ.</i>) 1890, M.L. (<i>Univ. of Mich.</i>) 1891,	<i>Howard, S. Dak.</i>	
McLeod, Crofton Unaicke,	<i>S. Brookfield, N.S.</i>	73 Berkeley St., Boston.
Martin, Walter Ross,	<i>Catskill, N. Y.</i>	46 Mt. Auburn St.
Mead, William Wesley,	<i>New London, Conn.</i>	19 Irving St.
Mitchell, Oliver Reginald,	<i>Boston,</i>	90 Charles St., Boston.
Morgan, George Curtis,	<i>New London, Conn.</i>	713 Cambridge St.
Morse, John Hamilton,	<i>Lawrence,</i>	S. 15.
O'Connor, Thomas Henry,	<i>Cambridge,</i>	52 Trowbridge St.
Oppenheim, Herman, LL.B. (<i>Univ. of Wis.</i>) 1891,	<i>St. Paul, Minn.</i>	38 Winthrop.
Owens, Jesse Vineyard,	<i>Osage Mission, Kans.</i>	17 Mellen St.
Owings, Frank Chaffee,	<i>Olympia, Wash.</i>	10 Frisbie Pl.
Paine, Charles Cushing,	<i>Hyannis Port,</i>	C. 60.
Pasfield, George Liscom,	<i>Springfield, Ill.</i>	52A Kirkland St.
Pearce, William Clark,	<i>Joliet, Ill.</i>	7 Brown St.
Peirce, Albert Browne,	<i>New Bedford,</i>	40 Kirkland St.
Ponder, James Waples, A.B. (<i>Swarthmore Coll.</i>), 1890,	<i>Wilmington, Del.</i>	721 Cambridge St.
Prouty, Harry Lee,	<i>Des Moines, Ia.</i>	38 North Ave.
Roman, J Philip,	<i>Cumberland, Md.</i>	11 Appian Way.
Scott, John Joseph,	<i>E. Cambridge,</i>	90 Spring St., [E. Cambridge.
Sherman, Orray Taft, A.B. (<i>Yale Univ.</i>) 1877,	<i>Newburgh, N. Y.</i>	379 Harvard St.

Sidley, William Pratt, A.B. (<i>Williams Coll.</i>) 1889,	<i>Chicago, Ill.</i>	14 Kirkland Pl.
Smith, Ruel Perley,	<i>Bangor, Me.</i>	34 Linnaean St.
Stanley, Fred Dunmore,	<i>Leicester, Vt.</i>	52A Kirkland St.
Stranahan, Farrand Stewart,	<i>St. Albans, Vt.</i>	20 Prescott St.
Stricker, Sidney George, LL.B. (<i>Cincinnati Coll.</i>) 1891,	<i>Cincinnati, O.</i>	10 Mellen St.
Stuart, Thomas Puryear,	<i>Eatontown, N.J.</i>	
Thayer, John Atkinson,	<i>Charleston, W. Va.</i>	721 Cambridge St.
Thomas, James Cross,	<i>Conneaut, O.</i>	5 Shepard St.
Tworoger, Philip,	<i>Roxbury,</i>	35 Bromley Pk., Roxbury.
Warren, Phil Barton,	<i>Springfield, Ill.</i>	52A Kirkland St.
Watrous, Martin Wright,	<i>Duluth, Minn.</i>	50 Kirkland St.
Winston, Charles Albert, LL.B. (<i>Cincinnati Law School</i>) 1891,	<i>Hebron, Ky.</i>	157 Mt. Auburn St.
Young, James Walter, LL.B. (<i>Univ. of Tenn.</i>) 1891,	<i>Clinton, Tenn.</i>	58 Hammond St.

SUMMARY.

THIRD YEAR'S STUDENTS	48
SECOND YEAR'S STUDENTS	112
FIRST YEAR'S STUDENTS	142
SPECIAL STUDENTS	61
TOTAL	363

THE LAW SCHOOL.

COURSE OF INSTRUCTION.

The design of this School is to afford such a training in the fundamental principles of English and American Law as will constitute the best preparation for the practice of the profession in any place where that system of law prevails. With this view, the course of study, which is designed to occupy the student three full years, will comprise the following subjects:—

FIRST YEAR.

Contracts. Asst. Professor WILLISTON. *Three hours a week.* Langdell's Cases on Contracts.
Criminal Law and Procedure. Mr. BEALE. *Two hours a week.* Chaplin's Cases on Criminal Law.
Property. Professor GRAY. *Two hours a week.* Gray's Cases on Property, vol. 1, 2.
Torts. Professor SMITH. *Two hours a week.* Ames's Cases on Torts.
Civil Procedure at Common Law. Asst. Professor WILLISTON. *One hour a week.* Ames's Cases on Pleading.

SECOND YEAR.

Agency.* Professor SMITH. *Two hours a week.*
Bills of Exchange and Promissory Notes. Asst. Professor WILLISTON. *Two hours a week.* Ames's Cases on Bills and Notes.
Law of Carriers.* Mr. BEALE. *Two hours a week.*
Contracts. Professor AMES. *Two hours a week.* Keener's Cases on Quasi-Contracts.
Evidence.* Professor THAYER. *Two hours a week.*
Jurisdiction and Procedure in Equity. Professor LANGDELL. *Two hours a week.* Langdell's Cases in Equity Pleading.
Property. Professor GRAY. Gray's Cases on Property, vol. 3, 4. *Two hours a week.*
Sales of Personal Property. Professor THAYER. *Two hours a week.* Langdell's Cases on Sales.
Trusts. Professor AMES. *Two hours a week.* Ames's Cases on Trusts.

* No text-book.

THIRD YEAR.

Constitutional Law.* Professor THAYER. *Two hours a week.*

Corporations.* Professor SMITH. *Two hours a week.*

Jurisdiction and Procedure in Equity.* Professor LANGDELL. *Two hours a week.*

Partnership. Professor AMES. *Two hours a week.* Ames's Cases on Partnership.

Property. Professor GRAY. *Two hours a week.* Gray's Cases on Property, vol. 5, 6.

Suretyship and Mortgage.* Professor LANGDELL. *Two hours a week.*

EXTRA COURSES.

Patent Law. Mr. FISH. *Ten lectures.*

The Peculiarities of Massachusetts Law and Practice. Mr. BREWSTER. *Two hours a week.*

No examinations will be held in the extra courses, and they will not count for a degree.

In addition to the foregoing third-year subjects, third-year students may elect any second-year subjects which they have not taken in their second year.

Every candidate for the honor degree will be required to take ten hours a week in each of the last two years.

Every candidate for the ordinary degree will be required to take in the second year ten hours a week in the subjects of that year, and in the third year eight hours a week.

MOOT COURTS.

Every student who has been in the School one year or more has an opportunity each year of arguing in a moot court case before one of the professors.

Instruction in Other Departments of the University.

The instruction given in the other departments of the University, with the exception of exercises carried on in the special laboratories, is also open, without additional charge, to students of the Law School. Among the numerous courses of instruction (about two hundred in all) provided by the Faculty of Arts and Sciences, those upon Roman Law, Political Economy, and History, are particularly suitable for Law Students; but many other courses, such as those upon English Literature, Modern

*No text-book.

Languages, Philosophy, and Physical Science, may be useful to students whose previous opportunities have been limited. Those who wish to avail themselves of these privileges must procure from the Dean a certificate of membership of the School.

The Hemenway Gymnasium is open to members of this School, without extra charge. It is in charge of a physician, Dr. D. A. SARGENT, who is an expert in the department of physical training; and each student is entitled to a thorough personal examination by the Director and to special direction and advice as to the form and amount of physical exercise best suited to his case.

ADMISSION.

Bachelors of Arts will be admitted as candidates for a degree, without examination, upon producing their diplomas; candidates for a degree who are not Bachelors of Arts will be admitted only (with the exceptions hereinafter stated) upon passing a satisfactory examination in the following subjects:—

1. **LATIN.** Candidates will be required (1) to translate (without the aid of grammar or dictionary) passages selected from the following books: Caesar's Commentaries on the Gallic War, Books I.-IV. (or Books I.-III. and Sallust's Catiline), and Cicero's Four Orations against Catiline, and his Oration for Archias;—and (2) to translate at sight average passages from Caesar and Cicero's Orations.

2. **BLACKSTONE'S COMMENTARIES** (exclusive of editors' notes).

Proficiency in French, representing an amount of preparatory work equivalent to that demanded of those who offer Latin, will be accepted as a substitute for the requisition in the latter language. Candidates will be required to translate (without the aid of grammar or dictionary) passages from standard French prose authors, and also to render passages of easy English prose into French.

The Faculty will, at their discretion, permit some other language to be substituted for Latin or French; but a satisfactory examination in some language other than English will be required in all cases. The examinations will be in writing; and, in judging the work of the candidates, attention will be paid to spelling, punctuation, grammar, and expression.

Two examinations for admission will be held each year: one at the beginning of the summer vacation; the other at the beginning of the academic year in the autumn.

In 1892, the first examination will be held on Thursday, June 30, at the following places:—

In *Cambridge*, in Austin Hall; in *Quincy*, in the rooms of the Adams Academy; in *Andover*, in the rooms of the Phillips Academy; in *Groton*,

in the rooms of the Groton School; in *Southborough*, in the rooms of St. Mark's School; in *Worcester*, in Curtis Hall, the Young Men's Christian Association Building, Elm Street; in *Exeter, N. H.*, in the rooms of Phillips Exeter Academy; in *Concord, N. H.*, in the rooms of St. Paul's School; in *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, Twenty-third Street, corner of Fourth Avenue; in *Albany, N. Y.*, in the rooms of the Young Men's Christian Association; in *Buffalo, N. Y.*, in the High School Building, corner of Court and Franklin Streets; in *Philadelphia, Pa.*, in the rooms of the Academy of Natural Sciences, S. W. corner of Nineteenth and Race Streets; in *Washington, D. C.*; in *Cleveland, O.*, in the Central High School Building; in *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street; in *Chicago, Ill.*, in rooms of the Chicago Athenæum, Van Buren Street; in *St. Louis, Mo.*, in the Central High School Building, corner of Olive and Fifteenth Street; in *Minneapolis, Minn.*, in the Lecture-room of the Public Library Building; in *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets; in *San Francisco, Cal.*, in the rooms of the Boys' High School on Sutter Street, between Gough and Octavia Streets; in *Portland, Oregon*; in some convenient city in Europe, to be announced hereafter; and in *Tokyo, Japan*.

The second examination will be held *in Cambridge only*, on Thursday, Sept. 29.

For each examination candidates will assemble at 9 A.M. Candidates who are allowed to substitute some other language for Latin or French will be examined in such language at the second examination only. *No person will be examined at any other time or place than those above specified.*

Applicants will be required, before examination, to produce certificates of good moral character, and to give two references for further information.

The Faculty will accept the degree of Bachelor of Science, or other degree of similar import, instead of the degree of Bachelor of Arts, when satisfied that it represents an amount of linguistic training equal to that required of those who offer themselves for examination.

At the beginning of the academic year 1893-94 and thereafter all persons who shall not be entitled to enter the School as candidates for a degree without examination will be required as a condition of being admitted to the School to pass satisfactory examinations in the following subjects:—

1. **LATIN.** Candidates will be required (1) to translate (without the aid of grammar or dictionary) passages selected from the following books:

Caesar's Commentaries on the Gallic War, Books I.-IV. (or Books I.-III. and Sallust's Cataline), and Cicero's Four Orations against Cataline, and his Oration for Archias; — and (2) to translate at sight average passages from Caesar and Cicero's Orations.

2. **FRENCH.** Candidates will be required to translate (without the aid of grammar or dictionary) passages from standard French prose authors, and also to render passages of easy English prose into French.

The Faculty will, at their discretion, permit some other modern language to be substituted for French.

3. **BLACKSTONE'S COMMENTARIES** (exclusive of editor's notes).

ADVANCED STANDING.

Admission to the second-year class will be allowed upon examination, which will require of the candidates a thorough knowledge of the following books: Gray's Cases on Property, vol. 1, 2; Langdell's Cases on Contracts, 2d ed.; Ames's Cases on Torts, Parts I.-II.; Chaplin's Cases on Criminal Law and May's Criminal Law; Ames's Cases on Pleading. The examination is by printed questions, which the candidates answer in writing in the presence of the examiner.

Candidates for admission to the second-year class will also be required to pass the examination for admission to the first-year class, as above set forth, unless they have received a degree which entitles them to admission without examination.

The examination for admission to advanced standing in the year 1892 will be held in Austin Hall, Cambridge, on Thursday and Friday, Sept. 29 and 30, beginning at 9 A.M. on Thursday. No applicant will be examined at any other time.

SPECIAL STUDENTS.

Persons who are not candidates for a degree may enter the School as special students at any time without examination, and avail themselves of its advantages in whatever manner and to whatever extent they see fit. They must, however, if not college graduates, produce certificates of good moral character, and give two references for further information.

No student, whether a candidate for a degree or a special student, who fails to pass an examination in at least three subjects, either at the regular examinations, held at the end of his first year in the School, or at the examinations held in the following September, will be allowed, unless by a vote of the Faculty, to continue in the School.

See last five paragraphs under "ADMISSION."

DEGREE OF BACHELOR OF LAWS.

The degree of Bachelor of Laws will be conferred upon students who, having been in the School during at least two full years as candidates for a degree, shall have passed satisfactory examinations in the entire course of three years. The degree of Bachelor of Laws *cum laude* will be conferred upon students who, having been in the School during at least two full years as candidates for a degree, shall have passed examinations of distinguished excellence in the entire course of three years. The examinations in the studies of the second and third years must be passed at the end of each year respectively. In the studies of the first year the examinations must be passed either at the end of that year or at the examination for advanced standing in September following. Neither degree will be conferred until the candidate shall have attained the age of twenty-one years. Candidates for a degree who are admitted to advanced standing must remain in the School during the whole of the second and third years. Those who are in the School during the whole of their first year may be absent during their second or third year; but those who are absent during their second or their third year must return and pass their examinations in the studies of that year with their class at the end of the year.

Every person who, while a member of the School, shall pass a satisfactory examination in one or more subjects, will be entitled to a certificate, stating the length of time he has been a member of the School and specifying the subjects in which he has passed an examination.

DEGREE OF MASTER OF ARTS.

Standing Rules of the Corporation and Board of Overseers.

RULE 1. The degrees of Master of Arts and Doctor of Philosophy are open to Bachelors of Arts of Harvard College and to Bachelors of Arts of other colleges, who shall have satisfied the Faculty of Arts and Sciences, by examination, that the course of study for which they received the Bachelor's degree is equivalent to that for which the Bachelor's degree is given in Harvard College, or shall have passed such additional examinations as that Faculty may prescribe.

RULE 5. The Faculty of Arts and Sciences will recommend for the degree of Master of Arts candidates otherwise properly qualified, who, after taking the Bachelor's degree, shall pursue for at least one year at the University a course of liberal study approved by the Faculty, and shall pass with high credit an examination on that course. The Faculty will designate, from time to time, those courses of instruction in the Pro-

fessional and Scientific Schools which will be approved by it for the degree of A.M.

Under the above Rule 5, the Faculty of Arts and Sciences will approve studies pursued in the Law School as constituents of the one year's course of liberal study to be pursued by candidates for the degree of Master of Arts; but no study in the Law School will be approved as part of such one year's course unless the Faculty is satisfied that the candidate offering it has no intention or expectation of counting the same study towards the degree of Bachelor of Laws.

Under the same Rule the Faculty of Arts and Sciences will also recommend for the degree of Master of Arts students, otherwise properly qualified, who are recommended by the Law Faculty for the degree of Bachelor of Laws, after the longest course of study and residence provided for such degree, and upon examinations passed with high credit.

PECUNIARY AID.

A limited number of scholarships, of the annual value of one hundred and fifty dollars each, will be hereafter awarded to meritorious students standing in need of such assistance, who have been in the School one full year at least, and who intend to remain in the School another full year at least. The award will be made by the Corporation, on the recommendation of the Faculty, at the beginning of each academic year. One third of the annual value of the scholarships is paid on the 10th of October following the award, one third on the 12th of January, and one third on the 12th of April. Applications for these scholarships must be made in writing, to the Dean, by the first of June. In making the award a preference will be given to members of the third-year class; and no scholarship will be granted to a member of the second-year class unless he intends to remain in the School until he completes the course.

The income of the John Foster Fund, amounting to about one hundred and fifty dollars, is payable every other year to one or more meritorious students needing assistance.

PRIZES.

The Harvard Law School Association offers an annual prize of one hundred dollars for the best essay upon any one of a list of subjects to be selected by a committee of the Association. For the next two years this prize will be paid from the fund of five hundred dollars given by CHARLES C. BEAMAN, Esq., of New York City.

The subjects for the current academic year are:—

1. The Rights and Remedies of a Corporation or its Stockholders in respect of contracts *ultra vires*.

2. To what extent is Equity a System not merely of Remedies but of Rights?

3. The Fictions of the Law; have they proved useful or detrimental in its growth?

Competition for the prize is open to members of the third-year class (1891-92) and to those who graduated from the School in 1891.

Competitors are requested to limit their essays to fifty pages of manuscript of the usual legal quarto size.

The essay must be sent to the Secretary of the Association, 220 Devonshire St., Boston, Mass., on or before April 15, 1892. The prize will be awarded at the meeting of the Association which is to be held in Cambridge, in June, 1892.

The subjects for the year 1890-91 were the following:—

1. Rights and Remedies of Minorities in Political and Civil Corporations.
2. Constructive Trusts arising out of fiduciary relations.
3. Judicial Legislation; its legitimate function, if any, in the development of the Common Law.

The prize for the year 1890-91 was awarded at the annual meeting of the Association to EZRA RIPLEY THAYER, of the graduating class, for an essay upon the last subject named above.

Members of the Law School may compete for the Dante, Sargent, Toppan, and Sumner Prizes. For subjects and conditions, see pp. 180-184.

FEEES AND EXPENSES.

The tuition fee is \$150 a year. There are no *extra* charges in the School.

The other expenses of a student for an academic year may be estimated as follows:—

Rent and care of a furnished room . . .	\$22 to \$150
Board for thirty-eight weeks	114 to 266
Fuel and Lights	11 to 25
Text Books (average for 3 years)	25 25
	\$172 to \$466

Board at cost can be obtained by members of the Law School at Memorial Hall. It is expected that the cost per week will not exceed four dollars and a quarter. Applications for seats should be made at the Hall to the Auditor, from whom full information can be obtained. The Foxcroft Club, a coöperative organization having commodious quarters near the School, is open to Law students. Separate articles of wholesome food are furnished to order at cost, making it possible to board at the Club for from \$2.50 to \$3.50 a week.

The term-bills are issued December 22, March 22, and one week before Commencement, and are to be paid respectively on or before January 12, April 12, and October 10; but the third bill of all candidates for degrees must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the School, his whole bill becomes payable at once.

A student who joins the Law School after the beginning of the academic year will be charged for instruction from the beginning of the third in which he joins. One who leaves during the year will be charged for instruction only to the end of the third in which he leaves, if, before that time, he gives written notice of his withdrawal to the Dean; otherwise he will be charged for instruction to the end of the third in which such written notice is given. The first third begins at the beginning of the academic year and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

Every student must file a bond with the Bursar in the sum of \$200, signed by two bondsmen, one of whom must be a citizen of the United States, for the payment of dues to the University; or, instead of filing a bond, he may deposit \$50 with the Bursar upon his entrance, as security, and pay his tuition-fees in advance as follows: one third on or before October 1, one third on or before January 1, and one third on or before April 1. No officer or student in the University will be accepted as bondsman. Every student who lives in a College room or boards at Memorial Hall or the Foxcroft Club must file the same bond as undergraduates (\$400), or pay rent for the year in advance, and make a deposit with the Bursar as security for the payment of his board at the rate of \$5 a week. All persons living in College rooms are subject to the regulations of the Parietal Committee, in the same manner as undergraduates.

The School now occupies a new, spacious, and elegant building, Austin Hall. The lecture-rooms, reading-rooms, and other accommodations for students leave nothing to be desired. The Library (27,000 vols.) is liberally administered in the interest of the students, and about \$3000 a year are spent in increasing and improving it.

For further information and for examination papers address JOHN H. ARNOLD, *Librarian of the Law School*, Cambridge, Mass.

TABULAR VIEW OF EXERCISES IN THE LAW SCHOOL. 1891-92.

N, E, and W indicate North, East, and West lecture rooms respectively.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
9-10		Torts. <i>N</i> Sales. <i>E</i>	Torts. <i>N</i> Bills and Notes. <i>E</i>	Trusts. <i>N</i> Corporations. <i>W</i>	Trusts. <i>N</i> Corporations. <i>W</i>
10-11	I. Property. <i>N</i> Equity Jurisdiction. <i>W</i>	I. Property. <i>N</i> Equity Jurisdiction. <i>W</i>	Suretyship. <i>W</i>	Criminal Law. <i>N</i> Evidence. <i>W</i> Partnership. <i>E</i>	Criminal Law. <i>N</i> Evidence. <i>W</i> Partnership. <i>E</i>
11-12	II. Property. <i>E</i>	II. Property. <i>E</i>	Sales. <i>E</i> Pleading. <i>N</i>	Bills and Notes. <i>E</i>	Carriers. <i>E</i>
12-1	Constitutional Law. <i>N</i>	Equity Procedure. <i>W</i> Constitutional Law. <i>N</i>	I. Contracts. <i>N</i> Equity Procedure. <i>W</i>	I. Contracts. <i>N</i> II. Contracts. <i>W</i>	I. Contracts. <i>N</i> II. Contracts. <i>W</i>
2-3	III. Property. <i>E</i>	III. Property. <i>E</i>	Agency. <i>E</i>	Carriers. <i>E</i>	
3-4	Agency. <i>E</i>	Suretyship. <i>W</i>		Massachusetts Law. <i>W</i>	Massachusetts Law. <i>W</i>

THE MEDICAL SCHOOL.

FACULTY.

- CHARLES W. ELIOT, LL.D., *President.*
HENRY P. BOWDITCH, M.D., *Dean, and Professor of Physiology.*
DAVID W. CHEEVER, M.D., *Professor of Surgery.*
JAMES C. WHITE, M.D., *Professor of Dermatology.*
OLIVER F. WADSWORTH, M.D., *Professor of Ophthalmology.*
CLARENCE J. BLAKE, M.D., O.M., *Professor of Otology.*
FRANK W. DRAPER, M.D., *Professor of Legal Medicine.*
FREDERICK I. KNIGHT, M.D., *Clinical Professor of Laryngology.*
CHARLES B. PORTER, M.D., *Professor of Clinical Surgery.*
J. ORNE GREEN, M.D., *Clinical Professor of Otology.*
AMOS L. MASON, M.D., *Assistant Professor of Clinical Medicine.*
J. COLLINS WARREN, M.D., *Associate Professor of Surgery.*
REGINALD H. FITZ, M.D., *Shattuck Professor of Pathological Anatomy.*
WILLIAM L. RICHARDSON, M.D., *Professor of Obstetrics.*
THOMAS DWIGHT, M.D., LL.D., *Parkman Professor of Anatomy.*
EDWARD S. WOOD, M.D., *Professor of Chemistry.*
FREDERICK C. SHATTUCK, M.D., *Jackson Professor of Clinical Medicine.*
EDWARD H. BRADFORD, M.D., *Instructor in Surgery and Orthopedics.*
WILLIAM H. BAKER, M.D., *Professor of Gynaecology.*
T. M. ROTCH, M.D., *Assistant Professor of the Diseases of Children.*
WILLIAM B. HILLS, M.D., *Associate Professor of Chemistry.*
WILLIAM F. WHITNEY, M.D., *Curator of the Anatomical Museum.*
CHARLES S. MINOT, S.D., *Assistant Professor of Histology and Embryology.*
MAURICE H. RICHARDSON, M.D., *Assistant Professor of Anatomy.*
SAMUEL J. MIXTER, M.D., *Demonstrator of Anatomy.*
HAROLD C. ERNST, M.D., *Instructor in Bacteriology.*
CHARLES HARRINGTON, M.D., *Instructor in Materia Medica and Hygiene, and Assistant in Chemistry.*

OTHER INSTRUCTORS.

- THEODORE W. FISHER, M.D., *Lecturer on Mental Diseases.*
SAMUEL H. DURGIN, M.D., *Lecturer on Hygiene.*
HENRY P. QUINCY, M.D., *Instructor in Histology.*
FRANCIS A. HARRIS, M.D., *Demonstrator of Medico-legal Examinations.*
JAMES J. PUTNAM, M.D., *Instructor in Diseases of the Nervous System.*
ELBRIDGE G. CUTLER, M.D., *Instructor in the Theory and Practice of Physic.*
FRANCIS H. DAVENPORT, M.D., *Instructor in Gynaecology.*
EDWARD M. BUCKINGHAM, M.D., *Instructor in Diseases of Children.*
GEORGE M. GARLAND, M.D., *Instructor in Clinical Medicine.*
JOHN W. ELLIOT, M.D., *Assistant in Clinical Surgery.*
WILLIAM W. GANNETT, M.D., *Instructor in Clinical Medicine.*
CHARLES M. GREEN, M.D., *Instructor in Obstetrics.*
FRANKLIN H. HOOPER, M.D., *Instructor in Laryngology.*
CHARLES F. WITHINGTON, M.D., *Assistant in Clinical Medicine.*
GEORGE H. MONKS, M.D., *Assistant in Clinical and Operative Surgery.*
FRANCIS S. WATSON, M.D., *Assistant in Clinical Surgery.*
HERBERT L. BURRELL, M.D., *Instructor in Clinical Surgery.*
CHARLES P. STRONG, M.D., *Assistant in Gynaecology.*
FRANK B. HARRINGTON, M.D., *Assistant in Clinical Surgery.*
THOMAS F. SHERMAN, M.D., *Assistant in Diseases of Children.*
HERMAN F. VICKERY, M.D., *Instructor in Clinical Medicine.*
WILLIAM M. CONANT, M.D., *Assistant Demonstrator of Anatomy.*
HENRY JACKSON, M.D., *Assistant in Bacteriology.*
JOHN C. MUNRO, M.D., *Assistant in Anatomy.*
EDWARD REYNOLDS, M.D., *Assistant in Obstetrics.*
CHARLES W. TOWNSEND, M.D., *Assistant in Obstetrics.*
CHARLES L. SCUDDER, M.D., *Assistant in Clinical Surgery.*
HENRY F. SEARS, M.D., *Assistant in Pathology.*
CHARLES P. WORCESTER, M.D., *Assistant in Chemistry, and Secretary of the Medical Faculty.*
WILLIAM S. BRYANT, M.D., *Assistant in Anatomy.*
JOHN C. CARDWELL, M.D., *Instructor in Physiology.*
FRANK B. MALLORY, M.D., *Assistant in Pathology.*
E. STANLEY ABBOT, A.B., *Assistant in Histology.*
ARTHUR H. WENTWORTH, M.D., *Assistant in Chemistry.*

The following gentlemen will give special clinical instruction:—

JOHN HOMANS, M.D., in the *Diagnosis and Treatment of Ovarian Tumors*.

EDWARD COWLES, M.D., in *Mental Diseases*.

FRANCIS B. GREENOUGH, M.D., and ABNER POST, M.D., in *Syphilis*.

GEORGE W. GAY, M.D., in *Surgery*.

ARTHUR T. CABOT, M.D., and FRANCIS S. WATSON, M.D., in *Genito-urinary Surgery*.

GEORGE L. WALTON, M.D., and PHILIP C. KNAPP, M.D., in *Diseases of the Nervous System*.

JOHN B. SWIFT, M.D., in *Diseases of Women*.

STANDING COMMITTEES.

Executive Committee.—Dean, Drs. WARREN, SHATTUCK, WHITNEY, HARRINGTON.

Advertising and Catalogue.—Drs. WOOD, FITZ, WHITNEY.

Admission Examinations.—Drs. GREEN, DWIGHT, HILLS, ROTCH, WHITNEY, HARRINGTON.

Course of Study.—Drs. FITZ, BOWDITCH, DRAPER, MASON, WARREN, W. L. RICHARDSON, DWIGHT.

Nominations.—Drs. WHITE, DRAPER, W. L. RICHARDSON, BAKER, M. H. RICHARDSON.

Building.—Drs. BOWDITCH, WOOD, WHITNEY.

Library.—Drs. BOWDITCH, DWIGHT, CHEEVER, FITZ, W. L. RICHARDSON, HILLS, BRADFORD.

Graduate Courses.—Drs. BLAKE, WADSWORTH, ROTCH, KNIGHT, BRADFORD.

STUDENTS.

IN COURSES FOR GRADUATES.

1890-91.*

Applegate, William A., M.D.	<i>Boston.</i>
Bolles, William Palmer, M.D.	<i>Roxbury.</i>
Codding, Edwin Hayden, M.D.	<i>Boston.</i>
Conroy, Peter John, M.D.	<i>Brewer, Me.</i>
Cottrell, Samuel Parker, M.D.	<i>Boston.</i>
Egan, Peter Ralph, M.D.	<i>Boston.</i>
Finch, Charles Harvey, M.D.	<i>E. Providence.</i>
Flanders, Frank Byron, M.D.	<i>Lawrence.</i>
Forsyth, Frank Lyons, M.D.	<i>Providence, R. I.</i>
Gallison, John Cushing, M.D.	<i>Franklin.</i>
Goss, Ossian Wilbur, M.D.	<i>Lake Village, N. H.</i>
Harrington, Arthur Hudson, M.D.	<i>Danvers.</i>
Jones, Elgin Wilbur, M.D.	<i>Medford.</i>
Lamson, H. H., M.D.	<i>Hanover, N. H.</i>
Moran, Benjamin George, M.D.	<i>Nashua, N. H.</i>
Morrell, F. A., M.D.	<i>Putnam, Conn.</i>
Parsons, Ralph Alfred, M.D.	<i>Boston.</i>
Sanford, Arnold, M.D.	<i>Everett.</i>
Sawyer, Carlton, M.D.	<i>No. Conway, N. H.</i>
Swarts, Gardner Taber, M.D.	<i>Providence.</i>
Sylvester, William Hillman, M.D.	<i>Natick.</i>
Trowbridge, Edward H., M.D.	<i>Worcester.</i>
Reynolds, Henry Vose, M.D.	<i>Dorchester.</i>
Wardwell, William T. Sherman, M.D.	<i>Roslindale.</i>
Whitney, George Franklin, M.D.	<i>Cleveland.</i>

1891-92.

Call, Charles Henry, M.D.	<i>Brockton.</i>
Cowan, George, M.D.	<i>Danville, Ky.</i>
Gage, James Arthur, M.D.	<i>Lowell.</i>
Gallison, John Cushing, M.D.	<i>Franklin.</i>
Harriman, Charles H., M.D.	<i>Whitinsville.</i>
Hubbard, Frank Allen, M.D.	<i>Taunton.</i>
Lecherzack, Bernard, M.D.	<i>Boston.</i>
McCarthy, John Coakley, M.D.	<i>Malden.</i>
Morris, George Patrick, M.D.	<i>So. Boston.</i>
Scudder, Charles Locke, M.D.	<i>Boston.</i>
Terry, Charles Church, M.D.	<i>Taunton.</i>

* After the issue of the Catalogue.

FOURTH CLASS.

Balch, Franklin Greene, A.B. 1888,	<i>Jamaica Plain.</i>
Cabot, Follen, Jr.	<i>Brookline.</i>
Cavanagh, Charles Russell,	<i>Mattapan.</i>
Coggeshall, Frederic, A.B. 1886,	<i>Cambridge.</i>
Cogswell, George Proctor, A.B. 1888,	<i>Cambridge.</i>
Dane, John, A.B. 1888,	<i>Boston.</i>
Edson, Carroll Everett, A.B. 1888,	<i>Roxbury.</i>
Francis, Carleton Shurtleff, A.B. 1888,	<i>Brookline.</i>
Frothingham, Richard,	<i>Charlestown.</i>
Harwood, Charles Hamant, A.B. 1888,	<i>Boston.</i>
Holder, Oscar Howe, A.B. 1888,	<i>Boston.</i>
Hoyt, Edward Malcolm,	<i>Wentworth, N. H.</i>
Keany, Francis Joseph, A.B. (<i>Boston Coll.</i>) 1888,	<i>Boston.</i>
Keleher, William Henry,	<i>Woburn.</i>
Lane, Francis Augustus,	<i>Peabody.</i>
Leahey, George Henry Aloysius,	<i>Lowell.</i>
Lund, Fred Bates, A.B. 1888,	<i>Concord, N. H.</i>
Lyons, Christopher Philip,	<i>E. Boston.</i>
Macdonald, William Huntley, A.B. (<i>St. Francis</i> <i>Xavier Coll.</i>) 1888,	<i>Antigonishe, N. S.</i>
McKenna, Francis Patrick,	<i>So. Boston.</i>
Moran, John Joseph,	<i>So. Boston.</i>
Murphy, Timothy Joseph, A.B. (<i>Boston Coll.</i>) 1888,	<i>Roxbury.</i>
O'Brien, John Francis, A.B. (<i>Boston Coll.</i>) 1888,	<i>Charlestown.</i>
Porter, Charles Allen, A.B. 1888,	<i>Boston.</i>
Powers, Edward Joseph, A.B. (<i>Holy Cross Coll.</i>) 1888,	<i>E. Boston.</i>
Risk, Winthrop Allen,	<i>Providence, R. I.</i>
Rowen, Henry Stanislaus,	<i>Cambridge.</i>
Sawyer, Walter Fairbanks,	<i>Keene, N. H.</i>
Shepard, Thomas Osborne, A.B. 1888,	<i>Salem.</i>
Stacey, Charles Franklin,	<i>Charlestown.</i>
Stebbins, Walter Gay, A.B. (<i>Yale Univ.</i>) 1886,	<i>Springfield.</i>
Stickney, Edwin Pangman,	<i>Sunapee, N. H.</i>
Tilton, Edward James, A.B. 1885,	<i>Andover.</i>
Whipple, Farrington Hasham, A.B. 1888,	<i>Portland, Me.</i>

THIRD CLASS.

Achard, Hermann Jacoby,	<i>Basel, Switzerland.</i>
Bailey, George Guy,	<i>Rowley.</i>
Brewster, George Washington Wales, A.B.	
1889,	<i>Jamaica Plain.</i>
Cabot, Richard Clarke, A.B. 1889,	<i>Brookline.</i>
Chase, Arthur Brown,	<i>Lynn.</i>
Chase, Richard Fitch, Jr.	<i>W. Baldwin, Me.</i>
Cobb, Farrar Crane, A.B. 1890,	<i>Dorchester.</i>
Coffin, Rockwell Augustus,	<i>Bangor, Me.</i>
Cogswell, Charles Frederick, A.B. 1889,	<i>Allston.</i>
Courtney, Samuel Edward,	<i>Malden, W. Va.</i>
Craig, Daniel Hiram,	<i>Malden.</i>
Cunningham, Joseph Henry,	<i>Cambridge.</i>
Cutler, George Washington,	<i>Waltham.</i>
Davis, Abel Albert,	<i>Brooklyn, N. Y.</i>
- Deal, George Francis,	<i>E. Boston.</i>
DeLue, Frederick Spaulding,	<i>Roxbury.</i>
Dunlap, Charles Bates, A.B. 1889,	<i>Indian Creek, W. Va.</i>
Edmonds, Louis,	<i>Boston.</i>
Edwards, William Lothrop,	<i>Boston.</i>
Emerson, Herbert Clark, A.B. (<i>Amherst Coll.</i>)	
1889,	<i>Newton.</i>
Fox, Charles Leonard,	<i>Lowell.</i>
Gallivan, William Joseph, A.B. 1888,	<i>Boston.</i>
Gay, Warren Fisher, A.B. 1890,	<i>Boston.</i>
Goodale, Joseph Lincoln, A.B. 1889,	<i>Cambridge.</i>
Hardon, Robert Wallace,	<i>Newton.</i>
Harlow, George Arthur, A.B. (<i>Amherst Coll.</i>)	
1889,	<i>Augusta, Me.</i>
Hastings, Robert Worthington, A.B. (<i>Amherst</i>	
<i>Coll.</i>) 1888,	<i>Warren.</i>
Hodges, Almon Danforth, A.B. 1889,	<i>Roxbury.</i>
Ilsley, Frederick Roscoe,	<i>Chelsea.</i>
Jordan, Charles Harold,	<i>Winchester.</i>
Keith, Frederick Scott,	<i>Waltham.</i>
Kidder, Edward Hamilton, A.B. 1888,	<i>Lincoln.</i>
Knapp, Edgar Jonas,	<i>Menomonie, Wis.</i>
Leahy, Thomas Joseph, A.B. (<i>Holy Cross Coll.</i>)	
1888,	<i>Cambridge.</i>
Libby, Jesse Herbert,	<i>Charlestown.</i>
Littlefield, Samuel Horace,	<i>Roxbury.</i>

Loveland, John Elijah, A.B. (<i>Wesleyan Univ.</i>) 1889,	<i>Middletown, Conn.</i>
Lynam, Frank, A.B. (<i>Bowdoin Coll.</i>) 1889,	<i>Bar Harbor, Me.</i>
McIntyre, James Angus, A.B. (<i>Univ. of N. B.</i>) 1880,	<i>St. John, N. B.</i>
Manahan, Herbert Wellington,	<i>Lawrence.</i>
Merrick, Robert Michael,	<i>Dorchester.</i>
Mongan, Charles Edward, A.B. (<i>Boston Coll.</i>) 1888,	<i>Somerville.</i>
Moran, Horace Sheridan, A.B. (<i>Williams Coll.</i>) 1889,	<i>Wakefield.</i>
Murphy, John Henry,	<i>Boston.</i>
Norton, Rupert,	<i>Cambridge.</i>
Oakey, Daniel,	<i>Cambridge.</i>
O'Brien, Denis Aloysius, A.B. (<i>Holy Cross Coll.</i>) 1888,	<i>Lewiston, Me.</i>
O'Donnell, Louis Patrick,	<i>Plymouth.</i>
Ogden, Jay Bergen,	<i>Rochester, N. Y.</i>
Palmer, George Monroe,	<i>Boston.</i>
Phelps, John Samuel, A.B. 1889,	<i>Lynn.</i>
Phillips, James Lee,	<i>Boston.</i>
Quirk, Charles Hudson,	<i>Buenos Ayres, So. Amer.</i>
Ruppel, Emil Fraser,	<i>Boston.</i>
Selva, Julio, A.B. (<i>Coll. of Nicaragua</i>) 1888,	<i>Leon, Nicaragua.</i>
Shaw, John Holbrook,	<i>Plymouth.</i>
Shuttleff, George Frederick,	<i>Westfield.</i>
Silva, Francis Pierce,	<i>Charlestown.</i>
Smith, Charles Morton,	<i>Chesham, N. H.</i>
Smith, George Seeley, B.S. (<i>St. Johns Coll.</i>) 1891,	<i>Portland, Me.</i>
Spencer, George Albert,	<i>Ipswich.</i>
Starr, Frederick Ratchford,	<i>Boston.</i>
Stevens, Charles Benjamin, A.B. (<i>Amherst Coll.</i>) 1887,	<i>Worcester.</i>
Thayer, Eugene, A.B. (<i>Amherst Coll.</i>) 1889,	<i>Boston.</i>
Toomey, John Peter,	<i>E. Boston.</i>
Wheeler, Charles Douglass, A.B. (<i>Williams Coll.</i>) 1888,	<i>Worcester.</i>
White, Verdeil Oberon, A.B. (<i>Bowdoin Coll.</i>) 1889,	<i>E. Dixfield, Me.</i>
Wilder, Raymond Sargent, A.B. 1889,	<i>No. Cambridge.</i>
Young, Charles Oscar, A.B. (<i>Augustana Coll.</i>) 1888,	<i>Lindsborg, Kans.</i>

SECOND CLASS.

Ash, John Henry,	<i>No. Weymouth.</i>
Barnes, Francis Henry, A.B. (<i>Holy Cross Coll.</i>)	
1890,	<i>Fitchburg.</i>
Barney, George Lawrence, A.B. 1890,	<i>Cambridge.</i>
Bennett, Frederick Sherwin,	<i>Brighton.</i>
Bicknell, William Horace,	<i>No. Weymouth.</i>
Billings, William Chester,	<i>Springfield.</i>
Boyd, Wendell Charles,	<i>Linneus, Me.</i>
Boynton, Edwin Dana,	<i>Harrington, Me.</i>
Bragg, Frank Adelbert,	<i>Agawam.</i>
Bullard, Stephen Eliot,	<i>Boston.</i>
Burnham, Elmond Arthur, A.B. (<i>Tufts Coll.</i>)	
1889,	<i>Cambridge.</i>
Carleton, Dudley,	<i>Norwich, Conn.</i>
Carleton, Ralph,	<i>Norwich, Conn.</i>
Carr, Frank Fletcher, A.B. (<i>Williams Coll.</i>)	
1890,	<i>Concord.</i>
Carroll, Edward Francis,	<i>Rumford, R. I.</i>
Carter, Theron Harlow, A.M. (<i>Brown Univ.</i>)	
1888,	<i>Boston.</i>
Chapman, Lorenzo,	<i>Amherst, N. S.</i>
Cody, Edmond Francis,	<i>Taunton.</i>
Cogswell, William, Jr., A.B. (<i>Dartmouth Coll.</i>)	
1890,	<i>Salem.</i>
Cook, Frank Clarendon,	<i>Boston.</i>
Coolidge, John Nelson, A.B. (<i>Amherst Coll.</i>)	
1889,	<i>Leicester.</i>
Cotton, Frederic Jay, A.B. 1890,	<i>Newport, R. I.</i>
Coues, William Pearce,	<i>Cambridge.</i>
Courtney, Joseph William, A.B. 1890,	<i>E. Cambridge.</i>
Craig, Francis, A.B. (<i>Manhattan Coll.</i>) 1889,	<i>Providence, R. I.</i>
Cutler, James Tucker, A.B. (<i>Williams Coll.</i>) 1890,	<i>Dorchester.</i>
Daly, Richard Francis,	<i>Boston.</i>
Darling, Eugene Abraham, A.B. 1890,	<i>Troy, N. Y.</i>
Davenport, Charles Albert, A.B. 1890,	<i>Watertown.</i>
DeCoster, Harry Wilson, PH.G. (<i>Mass. Coll.</i>	
<i>Pharmacy</i>), 1890,	<i>Lynn.</i>
Dennett, John, Jr.,	<i>Fork Village, Me.</i>
Donahue, William Francis, A.B. (<i>Holy Cross</i>	
<i>Coll.</i>) 1889,	<i>Worcester.</i>
Donnelly, John Bernard, A.B. (<i>Holy Cross Coll.</i>),	
1890,	<i>W. Fitchburg.</i>

Donovan, William Edward,	<i>Lawrence.</i>
Drown, Edward Payson, A.B. (<i>Amherst Coll.</i>)	
1889,	<i>Keene, N. H.</i>
Duel, Arthur Baldwin,	<i>Granville, N. Y.</i>
Erb, Theodore Charles,	<i>Boston.</i>
Ewald, Carl Adolf, A.B. 1888,	<i>Newton, N. J.</i>
Fairbanks, Arthur Willard,	<i>W. Roxbury.</i>
Farenholt, Ammen,	<i>Malden.</i>
Farrington, Leander Morton,	<i>Portsmouth, N. H.</i>
Flynn, Harry Sherman,	<i>Woodstock, Conn.</i>
Frost, N Alford,	<i>Derry, N. H.</i>
Fuller, Frederick Henry,	<i>Rockland.</i>
Gage, Edward Franklin, A.B. (<i>Amherst Coll.</i>) 1888,	<i>Boston.</i>
Groll, Edward Wright,	<i>Roxbury.</i>
Hall, Herbert James,	<i>Manchester, N. H.</i>
Hamilton, Edward Sylvester, A.B. (<i>Holy Cross</i>	
<i>Coll.</i>) 1888,	<i>Holliston.</i>
Hammond, Philip,	<i>Haverhill.</i>
Haskell, Harry Hill, A.B. 1890,	<i>Auburndale.</i>
Henshaw, George Bridges, A.B. 1890,	<i>Cambridge.</i>
Higbee, Frank Oscar, B.S. (<i>Carleton Coll.</i>) 1890,	<i>St. Paul, Minn.</i>
Hill, Edmund Emerson,	<i>Candia, N. H.</i>
Hill, George Hillard,	<i>Worcester.</i>
Houghton, Henry Lincoln, B.S. (<i>Worcester Poly-</i>	
<i>tech. Inst.</i>) 1889,	<i>Worcester.</i>
Jenks, Harrison Darling, A.B. 1890,	<i>Warsaw, N. Y.</i>
Johnson, Orville Edson, PH.B. (<i>Wesleyan Univ.</i>)	
1889,	<i>Winthrop.</i>
Jones, Claude Perry,	<i>Boston.</i>
Jones, William Marks, A.B. 1890,	<i>Newton.</i>
Judge, Albert Augustine, A.B. (<i>Holy Cross Coll.</i>)	
1888,	<i>Roxbury.</i>
Keenan, Herbert John,	<i>Boston.</i>
Kelley, Dennis Michael, A.B. (<i>Boston Coll.</i>) 1890,	<i>Stoughton.</i>
Kennard, Harry Delano,	<i>E. Somerville.</i>
Leary, Timothy, Jr.	<i>Waltham.</i>
Lindström, Alfred Herman,	<i>Lowell.</i>
Lord, Sidney Archer,	<i>Boston.</i>
Lovewell, Henry Plummer, A.B. (<i>Brown Univ.</i>)	
1889,	<i>Providence, R. I.</i>
Lyons, Joseph Benedict,	<i>Charlestown.</i>
McCullough, Edward Aloysius, A.B. (<i>Bowdoin</i>	
<i>Coll.</i>) 1890,	<i>Bangor, Me.</i>

McKenzie, John Robert,	<i>Cambridge.</i>
McLeod, Percy DeMille,	<i>Boston.</i>
MacNichol, George Pope,	<i>Calais, Me.</i>
Mansfield, Henry Kimball,	<i>Salem.</i>
Moffitt, Herbert Charles, S.B. (<i>Univ. of California</i>) 1889,	<i>Oakland, Cal.</i>
Morse, Almon Gardner, A.B. 1890,	<i>Boston.</i>
Murphy, Charles Oscar,	<i>Taunton.</i>
Page, Albert Kidder,	<i>Boston.</i>
Page, Calvin Gates, A.B. 1890,	<i>Boston.</i>
Pearl, Frederic Warren, A.B. (<i>Williams Coll.</i>) 1890,	<i>Bradford.</i>
Piper, Frank, PH.G. (<i>Mass. Coll. Pharmacy</i>) 1889,	<i>Charlestown, N. H.</i>
Reardon, Timothy Joseph,	<i>Charlestown.</i>
Richardson, Mark Wyman, A.B. 1889,	<i>Boston.</i>
Roberts, James Stanton,	<i>W. Lebanon, Me.</i>
Robinson, Gilman Parker,	<i>Boston.</i>
Robinson, William Henry,	<i>Charlestown.</i>
Ronayne, David Patrick, A.B. (<i>Holy Cross Coll.</i>) 1889,	<i>Worcester.</i>
Rourke, Joseph Edward, A.B. 1890,	<i>Dorchester.</i>
Russell, Simon James, A.B. (<i>Holy Cross Coll.</i>) 1890,	<i>Springfield.</i>
Sargent, Ara Nathaniel, A.B. 1890,	<i>Salem.</i>
Saunders, Ambrose Curtis, A.B. 1889,	<i>Cambridge.</i>
Shaw, Albert Joel,	<i>Boston.</i>
Shaw, Arthur John,	<i>Boston.</i>
Smith, Arthur Vincent, A.B. (<i>Bowdoin Coll.</i>) 1890,	<i>Middleborough.</i>
Smith, Harry Winfield, A.B. (<i>Tufts Coll.</i>) 1890,	<i>Lynn.</i>
Sprague, John Lovell, Jr.	<i>Providence, R. I.</i>
Starbird, Edward Perley,	<i>Dorchester.</i>
Steese, Edwin Sturtevant,	<i>Brookline.</i>
Stone, James Savage, A.B. 1889,	<i>Newton.</i>
Sweet, Charles Frederick,	<i>Central Falls, R. I.</i>
Swett, Percy Walter,	<i>Boston.</i>
Thompson, Harry John,	<i>Rutland, Vt.</i>
Tirrell, Vincent Meader,	<i>So. Weymouth.</i>
Treanor, John Peter,	<i>Boston.</i>
Varnum, Francis Joseph, A.B. (<i>Holy Cross Coll.</i>) 1889,	<i>Boston.</i>
Warren, Hobert Endicott,	<i>Cambridge.</i>

Waterman, Jerome Hilton,	<i>Buffalo, N. Y.</i>
Watts, Henry Fowler Ransford,	<i>Boston.</i>
Waghop, Philip Rexford, A.B. 1890,	<i>Fort Steilacoom, Wash.</i>
Weir, Edward Andrew,	<i>Harrison, Neb.</i>
West, George Leon, A.B. 1890,	<i>Rostindale.</i>
Wheate, Arthur Fitts,	<i>Manchester, N. H.</i>
Wheeler, Alfred Augustus,	<i>Leominster.</i>
White, Charles James, A.B. 1890,	<i>Boston.</i>
Yost, Francis Oliver,	<i>Boston.</i>

FIRST CLASS.

Abbe, Frederick Randolph, A.B. (<i>Amherst Coll.</i>) 1891,	<i>Boston.</i>
Adams, Charles Sumner,	<i>Penacook, N. H.</i>
Allen, William Howard, A.B. 1891,	<i>Mansfield.</i>
Almy, Arthur Pickering,	<i>Fall River.</i>
Baldwin, Herman Trost, A.B. 1891,	<i>Boston.</i>
Bannon, Bernard James,	<i>Boston.</i>
Barney, Charles Norton,	<i>Cambridge.</i>
Batchelder, William Burdette,	<i>Lynn.</i>
Bateman, Frank Elliot, A.B. (<i>Tufts Coll.</i>) 1887,	<i>Charlestown.</i>
Beals, Arthur Loring, A.B. (<i>Brown Univ.</i>) 1891,	<i>Brockton.</i>
Bottomley, John Taylor, A.B. (<i>Holy Cross Coll.</i>) 1889,	<i>Lee.</i>
Boyle, Alfred John,	<i>Boston.</i>
Brown, Harry Albertus,	<i>Salmon Falls, N. H.</i>
Brown, Milton Douglas,	<i>Ruthville, Va.</i>
Burden, Ernest Druscella,	<i>Malden.</i>
Burnham, Elisha Bennet,	<i>Essex.</i>
Byrnes, Thomas James,	<i>Rockville, Conn.</i>
Cahill, John Thomas, A.B. (<i>Holy Cross Coll.</i>) 1890,	<i>Lawrence.</i>
Calder, Augustus Woodbury, A.B. (<i>Brown Univ.</i>) 1891,	<i>Providence, R. I.</i>
Camfill, Robert Emmet,	<i>Forest Hills.</i>
Carden, Charles James,	<i>Lawrence.</i>
Chadwick, Henry Dexter,	<i>Waltham.</i>
Chapin, Alva Le Roy,	<i>Oneida, N. Y.</i>
Chicoine, Isidore Hermanigilde,	<i>Lynn.</i>
Clute, Arthur Lambert,	<i>Eau Claire, Wis.</i>
Codman, Ernest Amory, A.B. 1891,	<i>Boston.</i>
Collin, Carl Oscar Louis,	<i>Boston.</i>
Costello, Frederick Aloysius,	<i>Dorchester.</i>

Cowan, John Rice, A.B. (<i>Centre Coll.</i>) 1890,	<i>Danville, Ky.</i>
Cruikshank, Herbert Wyche,	<i>Talladega, Ala.</i>
Cunningham, Benjamin Frazier, PH.B. (<i>Tufts Coll.</i>) 1891,	<i>Gloucester.</i>
Cushing, Harvey Williams, A.B. (<i>Yale Univ.</i>) 1891,	<i>Cleveland, O.</i>
Daley, Robert Nicholas, Jr., A.B. (<i>Boston Coll.</i>) 1891,	<i>So. Boston.</i>
Daly, William Joseph,	<i>Dorchester.</i>
Daniels, Roy Adelbert,	<i>Malden.</i>
Darling, Charles Balfour, A.B. 1891,	<i>Woburn.</i>
Deane, William Brecke, A.B. (<i>Brown Univ.</i>) 1889,	<i>Ogdensburg, N. Y.</i>
Deans, Herbert Clair,	<i>Boston.</i>
Dennis, James Henry,	<i>Worcester.</i>
Denny, Francis Parkman, A.B. 1891,	<i>Brookline.</i>
Desmond, Clarence Francis,	<i>Worcester.</i>
Dewis, John William,	<i>Boston.</i>
Dodsworth, Charles Oliver,	<i>Boston.</i>
Dolliver, George Carroll, PH.B. (<i>Tufts Coll.</i>) 1891,	<i>Gloucester.</i>
Donoghue, Francis Dennis,	<i>Georgetown.</i>
Doogue, William Aloysius,	<i>Boston.</i>
Dowling, John Joseph,	<i>Boston.</i>
Drew, Fred, A.B. (<i>Bowdoin Coll.</i>) 1891,	<i>Alfred, Me.</i>
Drohan, James Henry,	<i>Brockton.</i>
Dudley, Augustus William, A.B. 1891,	<i>Presque Isle, Me.</i>
Edes, Richard Edward, A.B. (<i>Johns Hopkins Univ.</i>) 1889,	<i>Jamaica Plain.</i>
Egan, John Joseph, A.B. (<i>Boston Coll.</i>) 1891,	<i>Peabody.</i>
Ela, Paul Francis, A.B. (<i>Wesleyan Univ.</i>) 1884,	
A.M. (<i>Ibid.</i>) 1888,	<i>Cambridgeport.</i>
Farnham, John Marshall Willoughby, A.B. (<i>Amherst Coll.</i>) 1891,	<i>Newton Centre.</i>
Fontaine, Henri Theophile,	<i>Suncook, N. H.</i>
Frame, Joseph,	<i>Boston.</i>
French, Towneley Thorndike,	<i>Boston.</i>
Furber, Edwin Edgerton,	<i>Bridgewater, Vt.</i>
Giblin, James John,	<i>Boston.</i>
Gilchrist, Charles Robert,	<i>Boston.</i>
Gilchrist, Robert Watson,	<i>Boston.</i>
Goodhue, Ralph Fessenden,	<i>Bangor, Me.</i>
Grant, William Herbert,	<i>Central Falls, R. I.</i>
Gross, Edward Blake,	<i>Provincetown.</i>
Gunckel, Joseph Sutphin,	<i>Dayton, O.</i>
Gunther, Elaner Christian, A.B. 1889,	<i>New York, N. Y.</i>

Haines, Frank Smithwick,	<i>Boston.</i>
Hall, James Frank,	<i>Lowell.</i>
Harkins, Cornelius Patrick,	<i>Newtonville.</i>
Harriman, Frank Whitman,	<i>Framingham.</i>
Harris, William Lincoln, S.B. (<i>Mass. Inst. of</i> <i>Tech.</i>) 1888,	<i>No. Wilmington.</i>
Hastings, John Mason, A.B. (<i>Bowdoin Coll.</i>) 1891,	<i>Bangor, Me.</i>
Heffern, Patrick William,	<i>Boston.</i>
Hilton, Weston Morton, A.B. (<i>Bowdoin Coll.</i>) 1891,	<i>Damariscotta, Me.</i>
Hodgkins, Chester Lyman,	<i>Roxbury.</i>
Holmes, Edgar Miller,	<i>Middletown, Conn.</i>
Hunt, Daniel Lawrence, A.B. 1891,	<i>Roxbury.</i>
Ide, Clarence Edward,	<i>Providence, R. I.</i>
Ingoldsby, Joseph Emanuel,	<i>Boston.</i>
Jamieson, Henry Verner,	<i>Melrose.</i>
Jewett, Walter Kendall, A.B. (<i>Brown Univ.</i>) 1891,	<i>Fitchburg.</i>
Johnson, Grahame Dove,	<i>Andover.</i>
Joslin, Elliott Proctor, A.B. (<i>Yale Univ.</i>) 1890, PH.B. (<i>Yale S. S.</i>) 1891,	<i>Boston.</i>
Kendall, Thomas Lewis,	<i>Brockton.</i>
Kilroy, Francis Henry, A.B. (<i>Holy Cross Coll.</i>) 1891,	<i>Fall River.</i>
King, Melaim Le Noir, A.B. (<i>Mt. Allison Coll.</i>) 1891,	<i>Tyron, P. E. Island.</i>
Lake, Charles Norton, PH.C. (<i>Univ. of Mich.</i>) 1884,	<i>Boston.</i>
McAdams, James Philip, A.B. 1891,	<i>Somerville.</i>
McCormick, John Francis,	<i>Jamaica Plain.</i>
McGrath, John Edward,	<i>Natick.</i>
McKoan, John William,	<i>Worcester.</i>
McManus, John Joseph,	<i>Rutland, Vt.</i>
MacPherson, George Sturtevant, A.B. 1890,	<i>E. Boston.</i>
McSweeney, Daniel Justin, A.B. (<i>Boston Coll.</i>) 1889,	<i>Boston.</i>
Madden, William Daniel, A.B. (<i>Mt. St. Mary's</i> <i>Coll.</i>) 1891,	<i>Boston.</i>
Magurn, Francis Thomas Louis,	<i>Charlestown.</i>
Marsh, Arthur White,	<i>Leicester.</i>
Maskell, Leonard Joseph, A.B. (<i>Holy Cross Coll.</i>) 1891,	<i>Newton.</i>

Mason, Alan Gregory, A.B. 1886,	<i>Boston.</i>
Mehegan, Daniel Joseph,	<i>Taunton.</i>
Meigs, Return Jonathan,	<i>Lowell.</i>
Mercer, William James, A.B. (<i>Holy Cross Coll.</i>)	
1891,	<i>Pittsfield.</i>
Metcalf, Ben Hicks,	<i>Meadville, Pa.</i>
Miller, Lester Colwell,	<i>Rockport, Me.</i>
Mix, Charles Louis, A.M. 1891,	<i>Chicago, Ill.</i>
Morgan, William Edward,	<i>Boston.</i>
Moriarty, James Liguori,	<i>Norwich, Conn.</i>
Morse, Frank Leander,	<i>Marlboro'.</i>
Norton, Harry Lovett, A.B. 1891,	<i>Allston.</i>
O'Hare, Patrick Francis,	<i>Valley Falls, R. I.</i>
O'Keefe, Gerald Joseph,	<i>Charlestown.</i>
O'Sullivan, John Joseph,	<i>Lawrence.</i>
Packard, George Henry,	<i>E. Boston.</i>
Painter, Charles Fairbank, A.B. (<i>Johns Hopkins</i>	
<i>Univ.</i>) 1891,	<i>Great Barrington.</i>
Phillips, Walter Lewis,	<i>Olneyville, R. I.</i>
Pierce, Appleton Howe,	<i>Leominster.</i>
Plummer, Frank Wentworth, A.B. (<i>Dartmouth</i>	
<i>Coll.</i>) 1891,	<i>Somerville.</i>
Poore, John Robinson,	<i>E. Somerville.</i>
Potter, Nathaniel Bowditch, A.B. 1890,	<i>Cambridge.</i>
Price, Walter Herbert,	<i>Boston.</i>
Procter, Percy Clement,	<i>Gloucester.</i>
Procter, Thomas Walter, PH.G. (<i>Mass. Coll.</i>	
<i>Pharmacy</i>) 1877,	<i>Newton.</i>
Putnam, Charles Russell Lowell, A.B. 1891,	<i>Cambridge.</i>
Putnam, Willard Abram,	<i>New Salem.</i>
Quinn, James Ambrose,	<i>So. Boston.</i>
Reddy, Joseph Warren,	<i>So. Boston.</i>
Rittler, William Ferdinand, A.B. (<i>Johns Hopkins</i>	
<i>Univ.</i>) 1891,	<i>Baltimore, Md.</i>
Roberts, Henry Ambrose, A.B. (<i>Dartmouth Coll.</i>)	
1890,	<i>Wakefield, N. H.</i>
Robey, William Henry,	<i>Dorchester.</i>
Sargent, George Bancroft,	<i>Lawrence.</i>
Savage, John James,	<i>Lowell.</i>
Saville, Sumner Carruth, A.B. 1891,	<i>Cambridge.</i>
Shapleigh, Alfred Lindsay,	<i>Allston.</i>
Shattuck, Albert Milo,	<i>Groton.</i>
Shaw, Frederick King,	<i>Charlestown.</i>

Sherwood, Walter,	<i>Boston.</i>
Shores, Harvey Towle, S.B. (<i>Mass. Agricultural Coll.</i>) 1891,	<i>W. Bridgewater.</i>
Singer, William Frederic,	<i>Carthage, N. Y.</i>
Smith, Frank Conger,	<i>Yankton, So. Dak.</i>
Smith, Frank Simpson,	<i>Boston.</i>
Smith, Fred Stephens,	<i>No. Andover.</i>
Smith, Leonan Jason,	<i>Boston.</i>
Smith, Thomas Burke, A.B. (<i>Trinity Coll.</i>) 1891,	<i>Hartford, Conn.</i>
Smithwick, Marsena Parker, A.B. (<i>Bowdoin Coll.</i>) 1888, A.M. (<i>Ibid.</i>) 1891,	<i>New Castle, Me.</i>
Sosnowski, Philip,	<i>Boston.</i>
Spear, Walter May,	<i>Rockland, Me.</i>
Stanton, Thomas Leo,	<i>Boston.</i>
Stevens, Henry Burt,	<i>Norwich, Conn.</i>
Stiles, Herbert Kendall, A.B. (<i>Amherst Coll.</i>) 1891,	<i>Newtonville.</i>
Sullivan, Daniel Aloysius,	<i>Newton.</i>
Sullivan, George Henry,	<i>E. Boston.</i>
Sullivan, James Stephen, A.B. (<i>Holy Cross Coll.</i>) 1889,	<i>Worcester.</i>
Swan, Charles Louis, A.B. 1891,	<i>Stoughton.</i>
Talbott, Bertell Laroy,	<i>Milford, N. H.</i>
Tenney, William Northend,	<i>Georgetown.</i>
Thomas, George Henry,	<i>E. Boston.</i>
Thorndike, Townsend William,	<i>Boston.</i>
Tukey, Frank Martain, A.B. (<i>Bowdoin Coll.</i>) 1891,	<i>New Castle, Me.</i>
Underwood, Francis Andrew, A.B. (<i>Holy Cross Coll.</i>) 1891,	<i>Worcester.</i>
Webber, Stephen Elvaro, A.B. (<i>Colby Univ.</i>) 1886, A.M. (<i>Ibid.</i>) 1889,	<i>Chesterville, Me.</i>
Weller, Francis Joseph, A.B. (<i>Boston Coll.</i>) 1888,	<i>So. Boston.</i>
Wheaton, James Lucas, Jr., Ph.B. (<i>Brown Univ.</i>) 1891,	<i>Pawtucket, R. I.</i>
White, Franklin Warren, S.B. (<i>Mass. Inst. of Tech.</i>) 1890,	<i>Boston.</i>
Williams, David Gardner, Jr.	<i>Boston.</i>
Williams, Edward Denison, Ph.B. (<i>Univ. of Vt.</i>) 1890,	<i>Peacham, Vt.</i>
Williams, Edward Russell,	<i>Boston.</i>

Williams, Frank Percival,	<i>E. Weymouth.</i>
Wilson, Fred Newhall,	<i>Boston.</i>
Wright, Charles Sias, A.B. (<i>Bowdoin Coll.</i>)	
1891,	<i>Portland, Me.</i>
Wylie, Eugene Cushman,	<i>Chelsea.</i>
Young, Jonathan Frank, Jr.	<i>Boston.</i>

SUMMARY.

IN COURSES FOR GRADUATES, 1891-92 (to Dec. 1) . .	11
FOURTH CLASS	84
THIRD CLASS	69
SECOND CLASS	114
FIRST CLASS	171
TOTAL	<hr/> 399

THE MEDICAL SCHOOL.

REQUIREMENTS FOR ADMISSION.

All candidates for admission, except those who have passed an examination for admission to Harvard College, must present a degree in Letters, Science, or Medicine, from a recognized college or scientific school, or pass an examination in the following subjects:—

1. **ENGLISH.** Every candidate will be required to write, legibly and correctly, an original English composition of not less than two hundred words, and also to write English prose from dictation.

2. **LATIN.** The translation of easy Latin prose.

3. **PHYSICS.** A competent knowledge of Physics (such as may be obtained from Gage's Elements of Physics).

4. **ELECTIVE SUBJECT.** Each candidate must pass an examination in any *one* of the following subjects: French, German, the Elements of Algebra or of Plane Geometry, Botany.

Whenever the candidate shall give evidence of having passed a satisfactory examination in any of the above requirements either at Harvard College or at the Lawrence Scientific School, a subsequent examination in such subject or subjects will not be demanded for his admission to the Medical School.

Candidates, who pass in two of the four subjects, will be admitted conditionally; but, until these conditions are made up, no student will be permitted to take part in any exercises of the third class, or present himself for examination in the subjects of that class.

The examinations will be held at the Medical School and conducted in writing; specimens of the papers used will be found in the Catalogue to be obtained of the Dean. In judging the work of the candidate, the spelling, grammar, and construction will be considered.

The examinations for admission are held on the Thursday following the last Wednesday in June, and on the Monday preceding the last Wednesday in September, beginning at 10 A.M.

In 1892 the *examinations for admission* will ALSO be held at the following places, beginning at 8 A.M. on Thursday, June 30:—

In *Quincy*, in the rooms of the Adams Academy; in *Andover*, in the rooms of the Phillips Academy; in *Groton*, in the rooms of the Groton

School; in *Southborough*, in the rooms of St. Mark's School; in *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street; in *Exeter, N. H.*, in the rooms of Phillips Exeter Academy; in *Concord, N. H.*, in the rooms of St. Paul's School; in *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, Twenty-third Street, corner of Fourth Avenue; in *Albany, N. Y.*, in the rooms of the Young Men's Christian Association; in *Buffalo, N. Y.*, in the High School building, corner of Court and Franklin Streets; in *Philadelphia, Pa.*, in the rooms of the Academy of Natural Sciences, S. W. corner of Nineteenth and Race Streets; in *Washington, D. C.*; in *Cleveland, O.*, in the Central High School building; in *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street; in *Chicago, Ill.*, in the rooms of the Chicago Athenaeum, VanBuren Street; in *St. Louis, Mo.*, in the Central High School building, corner of Olive and Fifteenth Streets; in *Minneapolis, Minn.*, in the lecture-room of the Public Library building; *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets; in *San Francisco, Cal.*, in the rooms of the Boys' High School, on Sutter Street, between Gough and Octavia Streets; in *Portland, Oregon*; in some convenient city in Europe, to be announced later; and in *Tokyo, Japan*.

DIVISION OF STUDIES.

FOUR YEARS' COURSE.

For the First Year. — Anatomy, Physiology, General Chemistry,* and Medical Chemistry during the second half-year.

For the Second Year. — Practical and Topographical Anatomy, Medical Chemistry during the first half-year, Pathological Anatomy, Clinical Medicine, Surgery, Clinical Surgery, Therapeutics, and Diseases of Children.

For the Third Year. — Obstetrics, Theory and Practice of Medicine, Clinical Medicine, Surgery, and Clinical Surgery; and, as elective studies, Ophthalmology, Otology, Dermatology, Diseases of the Nervous System, Diseases of Children, Mental Diseases, Gynæcology, and Legal Medicine.

For the Fourth Year. — Ophthalmology, Otology, Dermatology, Laryngology, Mental Diseases, Diseases of the Nervous System, Gynæcology, Diseases of Children, Obstetrics, Clinical and Operative Obstetrics, Clinical Medicine, Clinical and Operative Surgery, Legal Medicine, Orthopedic Surgery, Genito-urinary Diseases, Hygiene, Vaccination, Bacteriology, Ovarian Tumors, Clinical Microscopy, and the Preparation of Food for Infants and Invalids.

THREE YEARS' COURSE.

For the First Year. — Anatomy, Physiology, General Chemistry,* and Medical Chemistry during the second half-year.

For the Second Year. — Practical and Topographical Anatomy, Medical Chemistry during the first half-year, Pathological Anatomy, Clinical Medicine, Clinical Surgery, Therapeutics, and Diseases of Children.

For the Third Year. — Obstetrics, Clinical and Operative Obstetrics, Theory and Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Ophthalmology, Dermatology, Syphilis, Otology, Laryngology, Mental Diseases, Diseases of the Nervous System, Gynecology, Diseases of Children, Legal Medicine, Bacteriology.

METHODS OF INSTRUCTION.

The following methods of instruction are adopted in the several departments: —

Anatomy. — Lectures; various practical exercises, including abundant dissection, under the direction of the Demonstrator; recitations and demonstrations.

Histology and Embryology. — Lectures and laboratory work. Every student is recommended to purchase a microscope, but microscopes are provided for those whose means do not enable them to buy one, for the sum of \$3 for each term. Accommodations are furnished for those students who wish to pursue special or advanced courses. Special facilities are offered for original investigators.

Physiology. — Lectures, recitations, conferences, and practical demonstrations in the Laboratory. To students of the second, third, and fourth classes, opportunities are given for original investigations in the Laboratory.

Chemistry is taught mainly by practical work in the Laboratory, the student having his own desk and apparatus. Descriptive Chemistry and qualitative analysis are taught during the first year. Besides the labora-

* Any student who shall have previously passed an examination in General Chemistry (including qualitative analysis) in the Undergraduate department or Scientific School of Harvard University, may pursue the study of Medical Chemistry during his first year. The Summer Courses in qualitative analysis at Harvard College or at the Medical School will be accepted as the equivalent of the course in qualitative analysis given during the first year, provided a certificate of satisfactory examination be furnished. This privilege will be granted to students from other colleges and scientific schools who have received instruction in general chemistry equivalent in character and amount to that of the first year, on passing a satisfactory examination at the September examination, provided that satisfactory evidence of such previous study be sent to the Dean of the Faculty one month before the date of this examination.

tory-work, there is a lecture and a recitation every week. In the second half of the first year and the first half of the second year Medical Chemistry is taught by lectures, recitations, and exercises in the Laboratory.

Pathology and Pathological Anatomy are taught by lectures, recitations, and practical instruction in pathological histology. During the past year the Sears' Building, the gift of Dr. Henry F. Sears, having been finished, has been used for the instruction in this department. The basement is fitted up for the care of animals and for the storage of material. The first story contains the bacteriological laboratories. On the second floor are the rooms for the officers of instruction and for special students in pathological anatomy and histology. In the third story is the class-room for recitations and demonstrations, and for instruction in pathological histology. An adjoining room is especially constructed for photography. These laboratories open directly into the physiological laboratory which, in turn, is immediately connected with that for chemistry; all the appliances of each laboratory are thus available to the students in any one of them with the least possible loss of time. The collection of the Warren Anatomical Museum is used to illustrate the lectures, and morbid specimens in a fresh state are shown at the recitations, where the student is called upon to describe the appearances. Students are also invited in turn to make an autopsy. The instruction in pathological histology, including the diagnosis of tumors, is continued throughout the year. Each student, provided with a microscope, the necessary instruments and reagents, prepares the various objects and submits them for explanation and criticism. The formation of small classes for special work and the individual pursuit of original investigations are encouraged.

The school possesses a large number of microscopes for the use of those students whose means will not permit the purchase of an instrument.

Therapeutics and Materia Medica.—Therapeutics and Materia Medica are taught by lectures and recitations with exhibition of medicines and pharmaceutical processes. Besides the large and complete cabinet of materia medica in the Museum, a collection of officinal drugs and chemicals, and of all the important preparations is placed where it can be seen by the students at any time.

The Theory and Practice of Medicine.—Lectures, recitations, and hospital visits.

Clinical Medicine.—Daily instruction is given in this department by clinical lectures, hospital visits, and other exercises. Students are furnished with cases for personal examination, and are called upon to report them before the class, where they are criticised. These examinations are held both in the wards and in the amphitheatre. Another exercise, known as the clinical conference, affords an opportunity for more thorough pre-

paration of cases, more time being allowed for their study. The full written report of a case is read by the student who has examined it. It is afterwards criticised by the class, by the Professor of Clinical Medicine, and other teachers in the School. In addition to this, a regular course of supplementary instruction is given in Auscultation and Percussion, and in Laryngoscopy, which affords students an abundant opportunity for acquiring a thoroughly practical knowledge of these methods of exploration.

Surgery. — Lectures and recitations. There are also courses on Surgical Anatomy, Minor Surgery, Orthopedic Surgery, Surgical Histology, Bandaging, and Operative Surgery. In the last, students of the third and fourth classes are supplied with material for repeating the usual surgical operations.

Clinical Surgery. — Instruction in Clinical Surgery is given at the Massachusetts General Hospital and City Hospital, each week throughout the year, as follows :—

One clinical conference, one clinical lecture, eight visits in the hospital wards, and two public operating days.

The surgical clinical conference is an exercise at which a student of the third class presents an elaborate and carefully prepared paper on a surgical case in the hospital wards, which has been assigned him. This paper he is obliged to read in the amphitheatre of the Hospital before the whole class, and defend it from their criticism. At the close of the exercise the Professor of Clinical Surgery gives a résumé of the case and his opinions upon it. The students of the second class attend these exercises preparatory to their active participation in them in their third year.

The second class is divided into small sections, and daily clinics are given to them in the out-patient department of the Massachusetts General Hospital and the City Hospital, in which the students are brought into personal contact with the patients, have practical exercises in the application of bandages and apparatus, and see a large number of cases of minor surgery.

The clinical lecture is given either over surgical cases brought into the amphitheatre and illustrated by explorations or operations, or at the bedside in the wards illustrating the dressing of wounds, the treatment of fractures, and the progress of cases from entrance to discharge from the Hospital. Every candidate for a degree is required to report a case in clinical surgery.

Obstetrics. — Lectures, recitations and conferences. Students are required to take charge of least six cases of obstetrics. A course on operative obstetrics, with practical illustrations on the cadaver, is given during the second half-year.

Diseases of Women. — Lectures and practical instruction at the different dispensaries in the education of the touch. In these institutions every facility is given the student to become familiar with the different forms of

uterine disease. A course in operative gynaecology extending throughout the year at the Free Hospital for Women is open to students of the third and fourth classes. To students of the fourth class cases are assigned for personal examination; these cases are reported in full at the clinical conference, and are made the subject of discussion by members of the class and the instructor. These students are also called upon to assist at the operations in the operative course. There is also a course in operative gynaecology upon the cadaver, at which each student of the fourth class is expected to perform the ordinary gynaecological operations with his own hands.

Diseases of Children. — The instruction in this subject consists of a systematic course of lectures beginning in the latter half of the second year and extending through the entire third year.

The second-year lectures comprise a careful study of infant-feeding and the development of the normal infant and child, and are intended to be preparatory to the study of the diseased conditions, which are taught in the third year.

The teaching in the third year consists of lectures and the direct examination of cases. The amount of material at the disposal of the students in this department is very large, as it comprises the cases which are treated at the Boston Dispensary, Children's Hospital, and City Hospital. The special wards for Diphtheria and Scarlet Fever lately opened at the City Hospital offer unusual advantages for the study of these diseases, and are always at the disposal of Assistant Professor ROTCH for the benefit of the students. The instruction in the third year also includes eight clinical conferences and the visiting in their homes, in the Dispensary Districts, of such rare and interesting cases as are not usually seen in the hospitals.

At the end of the third year there are eight exercises devoted entirely to the review of the whole subject as taught in the second and third years, so that the student is not only prepared for his third-year examination, but also for entering upon the more extended clinical teaching of his fourth year. The intention of the teaching in the fourth year is to have the student see a large number of cases, and to follow them carefully in their treatment from the beginning to the end of the disease.

Ophthalmology. — A complete course is delivered upon the diseases of the eye, including clinical instruction and the use of the ophthalmoscope.

Dermatology is taught by lectures and clinical illustrations. The special out-patient department at the Massachusetts General Hospital furnishes ample opportunities for illustration.

Syphilis. — Lectures and clinical instruction.

Otology. — Lectures and clinical instruction at the Massachusetts Charitable Eye and Ear Infirmary, and at the Boston City Hospital.

Laryngology. — Lectures and demonstrations.

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MEDICAL CHEMISTRY.

Text-Books. — Tyson, Practical Examination of Urine. Wharton and Stillé's Medical Jurisprudence, Vol. II., on Poisons, 4th edition.

Collateral Reading. — Ultzmann and Hoffmann's Atlas der Harnsedimente. Roberts' Urinary and Renal Diseases. Neubauer and Vogel, Analysis of the Urine. Hoppe-Seyler, Physiologische Chemie. Taylor on Poisons. Wormley's Micro-Chemistry of Poisons.

THERAPEUTICS AND MATERIA MEDICA.

Text-Books. — Mann's Prescription Writing. United States Dispensary. Hare's Practical Therapeutics.

Collateral Reading. — H. C. Wood's Therapeutics. Bartholow's Therapeutics. Brunton's Pharmacology, Therapeutics, and Materia Medica. Edes' Materia Medica and Therapeutics.

PATHOLOGY AND PATHOLOGICAL ANATOMY.

Text-Books. — Ziegler's Pathological Anatomy and Pathogenesis. Orth's Compend of Diagnosis in Pathological Anatomy.

Collateral Reading. — Friedlaender's Use of the Microscope in Clinical and Pathological Examinations. Cohnheim's Lectures on General Pathology.

OBSTETRICS.

Text-Books. — Lusk's Manual of Midwifery.

Collateral Reading. — Schroeder's Manual of Midwifery. Cazeaux's Midwifery. Winckel's Diseases of Childbed. Schauta's Grundriss der operativen Geburtshilfe. Kucher's Puerperal Convalescence.

THEORY AND PRACTICE.

Text-Books. — Strümpell's Text-Book of Medicine.

Collateral Reading. — Pepper's System of Practical Medicine by American authors. Flint's Practice of Medicine. Cutler and Garland's Percussion Outlines.

CLINICAL MEDICINE.

Text Books. — Strümpell's Text-Book of Medicine. Flint's Practice of Medicine. DaCosta's Medical Diagnosis. Flint's Manual of Percussion and Auscultation.

Collateral Reading. — Pepper's System of Practical Medicine by American Authors. Fagge's Practice of Medicine. Gowers' Diseases of the Nervous System. Cutler and Garland's Percussion Outlines.

SURGERY.

Bryant's Practice of Surgery. **Billroth's Surgical Pathology.** **Smith's Operative Surgery.**

Holmes's System of Surgery. **The International Encyclopedia of Surgery.** **Van Buren and Keyes's Genito-urinary Organs and Syphilis.** **Guérin, Éléments de Chirurgie Opératoire.**

GYNÆCOLOGY.

Text-Books. — **Thomas, on the Diseases of Women.** Fifth Edition.

Collateral Reading. — **Emmet's Principles and Practice of Gynaecology.** **Klob's Pathological Anatomy of the Female Sexual Organs.** **Savage, The Surgery, Surgical Pathology, and Surgical Anatomy of the Female Pelvic Organs.** **Davenport, on the Diseases of Women.**

OPHTHALMOLOGY.

Text-Books. — **Williams, Berry and Noyes, Nettleship, Loring, on the Ophthalmoscope.** **Landolt, on Refraction and Accommodation.**

OTOLOGY.

Text-Books. — **Barr, Roosa, Burnett.**

Collateral Reading. — **Poltzer, Diseases of the Ear.** **Schwartz, Chirurgische Krankheiten des Ohres.**

DERMATOLOGY.

Collateral Reading. — **Duhring, Hyde, Robinson, Crocker, Kaposi, Behrend, v. Ziemssen.**

LEGAL MEDICINE.

Text-Books. — **Taylor's Manual of Medical Jurisprudence.**

Collateral Reading. — **Ogston, Reese, Hofmann, Woodman and Tidy.**

INSTRUCTION FOR 1891-92 TO STUDENTS OF THE THREE YEARS' COURSE.

Anatomy.

Descriptive Anatomy. *Four times a week.* **Professor DWIGHT.**

Practical Anatomy, with Exercises in Dissection. *Eight hours daily from October 15th till May.* **Demonstrations and Recitations.** **Drs. MIXTER, CONANT, and MUNRO.**

Topographical and Advanced Anatomy. *Once a week.* **Professor DWIGHT.** **Topographical and Applied Anatomy.** *Three times a week from November till May.* **Assistant Professor M. H. RICHARDSON.**

Histology and Embryology.

Laboratory Exercises in Histology. *Three times a week during first half-year. Twice a week during second half-year.* Assistant Professor C. S. MINOT, and Dr. QUINCY.

Histology. — Lectures. *Once a week during the first half-year.* Assistant Professor C. S. MINOT. Embryology. *Eight lectures during the second half-year.* Assistant Professor C. S. MINOT.

Physiology.

Systematic and Experimental Physiology. *Four times a week.* Professor BOWDITCH.

Laboratory Exercises in Experimental Physiology. *Three times a week.* Dr. J. C. CARDWELL.

Chemistry.

Descriptive and Analytical Chemistry. *Twice a week, with an additional weekly exercise during the first ten weeks.* Professor HILLS.

Medical and Toxicological Chemistry. *Twice a week.* Professor WOOD. Practical Exercises in the Laboratory in Analytical and Medical Chemistry. *Daily.* Professors WOOD and HILLS, and Drs. WORCESTER and WENTWORTH.

Hygiene.

Lectures and Demonstrations. *Once a week during the second half-year.* Dr. HARRINGTON.

Therapeutics and Materia Medica.

Lectures and Recitations. *Twice a week.* Dr. HARRINGTON.

Pathology and Pathological Anatomy.

General Pathology and Pathological Anatomy. *Twice a week.* Professor FITZ.

Special Pathological Anatomy, with Demonstrations. *Twice a week.* Professor FITZ.

Laboratory Exercises in Pathological Histology. *Twice a week.* Drs. WHITNEY, SEARS and MALLORY.

Practical Instruction in Performing Autopsies. *Throughout the year.* Professor FITZ and Dr. MALLORY.

Surgery.

Surgery. *Once a week for three months; twice a week for five months.* Professor CHEEVER.

Surgery and Surgical Pathology. *Twice a week till January.* Professor J. C. WARREN.

Application of Bandages and Apparatus. *Laboratory exercises to the class in sections during first half-year.* Dr. BURRELL.

Clinical Surgery.

Lectures. *Once a week till January.* PROFESSOR CHEEVER. *Once a week from October till March.* PROFESSOR PORTER. *Once a week from March till June.* PROFESSOR J. C. WARREN.

CLINICAL SURGERY. — THIRD CLASS.

Clinical Surgery Conference. *Once a week, from October till May.* PROFESSOR PORTER.

Clinical visits, *in sections of half the class, once a week throughout the year*, at the Massachusetts General Hospital, by Professors PORTER and J. C. WARREN, Assistant Professor M. H. RICHARDSON, and Drs. BEACH, HOMANS, and CABOT. — At the Boston City Hospital, by Professor CHEEVER and Drs. GAY, BOLLES, BRADFORD, POST, and GAVIN.

CLINICAL SURGERY. — SECOND CLASS.

In small sections daily in the Out Patient Departments of the Massachusetts General Hospital, by Drs. J. W. ELLIOT and F. B. HARRINGTON. — At Boston City Hospital, by Drs. G. H. MONKS, H. L. BURRELL, F. S. WATSON.

Clinical visits, *in sections of half the class, once a week throughout the year*, at the Massachusetts General Hospital and Boston City Hospital.

OPERATIVE SURGERY.

Operations are performed before the students one day each week throughout the year in the Amphitheatres at the Massachusetts General Hospital and Boston City Hospital.

Operative Surgery and Surgical Anatomy. *Exercises illustrated upon the cadaver twice a week in March and April.* PROFESSOR PORTER.

Operative Surgery, *Fifteen practical exercises by the students of the Third Class*, under the direction of Professor PORTER, assisted by Drs. MIXTER, CONANT, MONKS, ELLIOT, HARRINGTON, BURRELL, WATSON, and SCUDDER.

The Surgical Cases at the Eye and Ear Infirmary and at the Boston Dispensary are shown by the surgeons in charge.

Ophthalmology.

Ophthalmology. *Twice a week.* PROFESSOR WADSWORTH.

Dermatology.

Diseases of the Skin. *Once a week.* PROFESSOR WHITE.

Clinical Dermatology. *Once a week.* PROFESSOR WHITE.

Syphilis.

Practical Diagnosis and Treatment of Syphilis. *Once a week for a half-year.* Dr. POST.

Otology.

Otology. *Twice a week, October, November, and December.* Professors BLAKE and GREEN.

Clinical Otology. *Once a week in January, February, and March.* Professors BLAKE and GREEN.

Theory and Practice of Physic.

Lectures. *Twice a week.* Professor ———. Recitations. *Twice a week.* Dr. CUTLER.

Clinical Medicine.

Four times a week. Professor SHATTUCK, and Dr. VICKERY. *Twice a week.* Assistant Professor MASON.

Clinical Conference. *Once a week.* Professor SHATTUCK, Assistant Professor MASON, and Drs. GARLAND, and VICKERY.

Practical Instruction in Auscultation and Percussion. *Six times a week during the first half-year.* Drs. GARLAND, GANNETT, and WITHINGTON.

Practical Diagnosis and Treatment of Diseases of the Nervous System. *Once a week.* Dr. PUTNAM. *Once a week.* Dr. WALTON.

Mental Diseases. *Once a week.* Dr. FISHER.

Medical visits are made at the Massachusetts General Hospital by Professors FITZ, W. L. RICHARDSON, and SHATTUCK, and Dr. CUTLER. — At the City Hospital, by Assistant Professors ROTCH and MASON, and Drs. J. G. BLAKE and FORSTER. — At the Danvers, South Boston, and Somerville Asylums for the Insane. — The Medical Cases at the Boston Dispensary are shown by the physicians in charge.

Laryngoscopy and Rhinoscopy.

Practical Diagnosis and Treatment. *Six times a week, first half-year.* Professor KNIGHT and Dr. HOOPER.

Diseases of Children.

Practical Diagnosis and Treatment. *Twice a week.* Assistant Professor ROTCH.

Paediatrics. *Once a week, March and April.* Assistant Professor ROTCH.

Clinical Conference. *Once a week.* Assistant Professor ROTCH and Drs. BUCKINGHAM and SHERMAN.

Legal Medicine.

Twice a week during the first half-year. PROFESSOR DRAFER.

Obstetrics.

Theory and Practice of Obstetrics. *Twice a week.* PROFESSOR WM. L. RICHARDSON. Recitations. *Once a week.* DR. C. M. GREEN.

Operative Obstetrics. *Twelve practical exercises.* DR. C. M. GREEN.

Practical Instruction in Clinical Obstetrics. *Throughout the year.* Drs. C. M. GREEN, REYNOLDS and TOWNSEND.

Obstetrical Conference. *Once a week after January 1st.* PROFESSOR WM. L. RICHARDSON and Drs. C. M. GREEN, REYNOLDS, and TOWNSEND.

Gynaecology.

Twice a week. PROFESSOR BAKER. Two clinics each week during the second half-year. PROFESSOR BAKER. Two clinics each week during the first half-year. DR. DAVENPORT.

Bacteriology.

Six lectures in first half-year. DR. ERNST.

Practical Laboratory Work. *Four afternoons a week for eight weeks.* DR. ERNST.

INSTRUCTION FOR 1891-92 TO STUDENTS OF THE FOURTH YEAR.**Clinical Medicine.**

Once a week for one month. PROFESSOR FITZ. *Once a week for six months.* DR. GARLAND. *Once a week for seven months.* DR. GANNETT. *Once a week for three months.* DR. VICKERY.

Diseases of Children.

Twice a week at Children's Hospital for three months and special clinical exercises. ASSISTANT PROFESSOR ROTCH.

Diseases of the Nervous System.

Once a week for four months. DR. WALTON. *Once a week for four months.* DR. KNAPP.

Mental Diseases.

Twice a week for four months. DR. FISHER. *Once a week for three months.* DR. COWLES.

Surgery.

Clinical Surgery. *Twice a week for two months.* Dr. GAY. *Twice a week for three months.* Dr. BURRELL.

Operative Surgery. *Practical Exercises.* Professor PORTER, Assistant Professor M. H. RICHARDSON, and Drs. MIXTER and MONKS.

Orthopedic Surgery. *Twice a week for two months.* Dr. BRADFORD.

Ovarian Tumors.

Once a week for two months. Dr. HOMANS.

Obstetrics.

Clinical Obstetrics. *Twice a week for four months.* Professor WM. L. RICHARDSON.

Operative Obstetrics. *Practical Exercises.* Dr. C. M. GREEN.

Gynaecology.

Twice a week for eight months. Professor BAKER. *Twice a week for three months.* Dr. DAVENPORT. *Twice a week for eight months.* Dr. STRONG.

Operative Gynaecology. *Practical Exercises.* Professor BAKER.

Dermatology.

Twice a week for eight months. Professor WHITE.

Syphilis.

Twice a week for four months. Dr. GREENOUGH.

Ophthalmology.

Twice a week for eight months. Professor WADSWORTH.

Otology.

Three times a week for eight months. Professors C. J. BLAKE and J. O. GREEN.

Laryngology.

Three times a week for three months. Professor KNIGHT.

Diseases of the Genito-Urinary Apparatus.

Once a week for four months. Dr. CABOT. *Once a week for three months.* Dr. WATSON.

Legal Medicine.

Twice a week during the first half-year. Professor DRAPER. *Demonstrations.* Dr. HARRIS.

Hygiene.

Twice a week for two months. DR. DURGIN.

Pathological Anatomy.

Once a week for six months. DR. WHITNEY.

Bacteriology.

Once a week for four months. DR. ERNST.

Cookery.

Twice a week (two hours) for one month. Boston Cooking School.

CLINICAL ADVANTAGES.

The Medical Department of the University is established in Boston, in order to secure those advantages for Clinical Instruction and for the study of Practical Anatomy which are found only in large cities.

There are Hospital visits or operations daily.

The Massachusetts General Hospital. — During the past year, 3381 patients were treated in the wards, and 22,545 in the out-patient departments. Patients are received from all parts of the United States and the Provinces, and are visited by the students, with the attending physicians and surgeons, on four days in the week. Operations are numerous, and are performed in the amphitheatre, which is provided with seats for 400 persons. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngology, Diseases of the Nervous System, and Ophthalmology.

The City Hospital. — During the past year, 6853 cases were treated in its wards, and 12,983 in its various out-patient departments. The medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds are excellent, since, on an average, 800 street accidents are yearly treated. Surgical operations are performed in the amphitheatre. Diseases of the eye, the ear, and the skin are largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons twice a week.

In these two hospitals, the facilities for witnessing Operative Surgery are unsurpassed. Twice a week operations are performed in the presence of the class. The number of these operations is large, reaching nearly two thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

The Boston Lying-in Hospital. — More than five hundred patients are annually confined in the Hospital. In the out-patient department, attendance during confinement is also furnished to several hundred women at their homes.

The Boston Dispensary. — 42,116 patients were treated at this Public Charity during the past year. A new building has lately been erected at a cost of \$50,000, where students have ample and excellent opportunity for seeing practical work in the diagnosis and treatment of cases illustrating the various branches of medicine and surgery.

The Massachusetts Charitable Eye and Ear Infirmary. — The thirteen thousand patients annually treated at this institution present every variety of disease of the ear and eye, and supply a large number of operations.

The Marine Hospital at Chelsea receives from the shipping of the port a large number of patients, who furnish examples of the diseases of foreign countries and of distant parts of the United States. Many cases of venereal disease, in its various forms, are treated annually.

The Free Hospital for Women. — In the wards of this institution, which is devoted exclusively to the diseases peculiar to women, abundant opportunity is offered to study the severer forms of uterine disease, and to witness operations which are performed twice a week throughout the year. In the out-patient department, where over 5000 patients are annually treated, every advantage is given the student to observe the less serious forms of disease and witness a large amount of minor gynaecological surgery.

Students are also permitted to visit the Children's Hospital and the Carney Hospital on application to the physicians on duty.

There are twenty-five appointments annually for Internes in the various hospitals, and as many more for Assistants in the out-patient departments. Appointments for the Massachusetts General and City Hospitals are for the term of eighteen months, for the Boston Lying-in Hospital for four months, and for the Free Hospital for Women for nine months.

EXAMINATIONS.

The regular examinations are conducted in writing and orally, and are held at the end of each year in June, and a week before the opening of the School in September (with a few exceptions), on the studies of the preceding year.* They are held in the following order: —

At the End of the First Year. — Anatomy, Physiology, General Chemistry.†

* The June examination is for those only who are members of the School at the time, and for those entitled to apply for the degree.

† See foot-note on page 279.

End of Second Year. — Anatomy, Medical Chemistry,* Pathology and Pathological Anatomy, Therapeutics, and *Materia Medica*.

End of Third Year. — Obstetrics,† Theory and Practice of Medicine, Clinical Medicine, Surgery,‡ Clinical Surgery; and, in addition, each candidate will be required to take examinations, amounting to two (2) hours, and chosen from the following list of elective studies, at the commencement of the year; the choice thus made is to be final. One two-hour course or two one-hour courses are to be taken, as follows: —

Ophthalmology (1 hr.), Otology (1 hr.), Dermatology (2 hrs.), Diseases of Nervous System (2 hrs.), Diseases of Children (2 hrs.), Mental Diseases (1 hr.), Gynaecology (2 hrs.), Legal Medicine* (1 hr.), Bacteriology (1 hr.).

End of Fourth Year. — Each candidate must pass examinations amounting to ten (10) hours, chosen from the following list of studies, the choice to be made at the commencement of the year and to be regarded as final: —

Ophthalmology (2 hrs.), Dermatology (2 hrs.), Otology (2 hrs.), Laryngology (1 hr.), Gynaecology (2 hrs.), Diseases of Children‡ (2 hrs.), Diseases of Nervous System (2 hrs.), Mental Diseases (1 hr.), Clinical Obstetrics (2 hrs.), Operative Obstetrics (1 hr.), Operative Surgery (1 hr.), Legal Medicine* (1 hr.), Hygiene (1 hr.), Bacteriology (1 hr.).

In addition to the above examinations each student is required to present a satisfactory report of the analysis of a solution containing inorganic substances, and of a specimen of urine, to examine and report upon a clinical case in Medicine and Surgery, and to take charge of and* report upon six cases in Obstetrics; each student must also have dissected the three parts of the body to the satisfaction of the Demonstrator, and no student shall be admitted to the examination on Anatomy at the end of the first year who has not so dissected two parts, nor to that at the end of the second year who has not so dissected three parts, unless excused by the Professor of Anatomy.

The above courses are entirely distinct from third-year courses of the same title; and in addition there will be given clinical and laboratory courses in Orthopaedic Surgery, Genito-urinary Diseases, Syphilis, Ovarian Tumors, Clinical Microscopy, Preparation of Food for Infants and Invalids; in these courses no examination is required.

House-officers in the Massachusetts General Hospital, Boston City Hospital, Carney Hospital, McLean Asylum, Boston Lunatic Hospital, Massa-

* The examinations in these subjects will be held at the end of the first half-year.

† The examinations in Obstetrics and Surgery may be passed at the end of the fourth year if preferred.

‡ The examination in these subjects will be held at the end of the first half-year.

chusetts Charitable Eye and Ear Infirmary, Boston Children's Hospital, Cambridge Hospital, and Free Hospital for Women may obtain the fourth-year degree by entering the fourth class, passing an examination in the electives amounting to five (5) hours, and presenting a certificate of satisfactory performance of duty in the Hospital for a period equivalent to the School year, and an acceptable thesis or clinical report based upon observations made during their service. On account of the shorter services in the Lying-In Hospital and Adams Nervine Asylum internes of these institutions will be required to pass an aggregate of seven (7) hours examination and present a certificate and thesis as above.

Medical students who desire to devote their fourth year of study mainly to advanced work in any of the laboratories of the School may obtain the fourth-year degree upon passing examinations in the elective studies aggregating five (5) hours, and presenting an acceptable thesis based on the laboratory work actually done.

Students attending the four years' course may be examined at the end of the third or fourth year, as preferred, in Clinical Medicine, Clinical Surgery, and Obstetrics. The examinations of the first two years are common to both groups of students. The final examinations at the close of the three years' course are in the following subjects: Therapeutics, Obstetrics, Surgery and Clinical Surgery, Theory and Practice, and Clinical Medicine, with electives as described on the previous page.

No student is allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. Those who fail in any subject may again present themselves in that subject at the next regular examination.

All students are required to notify the Secretary in writing of their intention to present themselves for examination, either in June or September, one month before such examination is to be held.

The regular examinations for the year 1891-92 will begin June 1 and September 26.

DIVISION OF STUDENTS.

Students are divided into four classes, according to their time of study and proficiency, and during their last year will receive largely increased opportunities of instruction in the special branches mentioned. Students following the three years' course are classified as heretofore, and the instruction in the special branches is of the same character as that which has been given for several years. Students who began their professional studies elsewhere may be admitted to advanced standing; but all persons who apply for admission to the advanced classes must pass an examination in the branches already pursued by the class to which they seek admission, and furnish (from a recognized Medical School) a satisfactory

certificate of time spent in medical studies. No student may advance with his class, or be admitted to advanced standing, until he has passed the required examinations in the studies of the previous year, or a majority of them; nor may he become a member of the third class, until he has passed all the examinations of the first, in addition to a majority of those of the second year, or of the fourth class, until he has passed all of the examinations of the first and second, in addition to a majority of those of the third year.

In order that the time of study shall count as a full year, students of all classes must present themselves within the first week of the School year and register their names with the Secretary.

Students who do not intend to offer themselves for a degree will, however, be received for any portion of the course.

Any student may obtain a certificate of his period of connection with the School.

LIBRARIES.

The students have access, free of charge, to the books belonging to the library of the School and to the libraries of the several departments.

The College Library at Cambridge is open to the students of the Medical School.

The Boston Public Library, which contains a large collection of medical books, is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Treasurer's office, or deposited with the Treasurer the sum of fifty dollars, may also use this library.

REQUIREMENTS FOR THE DEGREE.

Every candidate must be twenty-one years of age, and of good moral character; must give evidence of having studied medicine three or four full years; have spent at least one continuous year at this School; and have passed the required examinations.

After the beginning of the Academic year 1892-93, the required course of study will be a graded course covering four years

The degree of Doctor of Medicine *cum laude* will be given to candidates who have pursued a complete four years' course, and obtained an average of seventy-five per cent* upon all the examinations above stated. A certificate of attendance on the studies of the fourth year will be given to such graduates as have attended the course, and have passed a satisfactory examination in the studies of the same.

The presentation of a thesis is not a requirement for graduation, but candidates for the degree of M.D. may present a voluntary thesis. If of

* In computing averages all examinations will be reduced to a basis of three hours.

conspicuous merit, it will receive honorable mention; if also of a suitable character, it may be read at the University Commencement exercises. Theses must be completed and delivered to the Dean on or before the first day of June.

The degree of Master of Arts is open to graduates of the School who are also Bachelors of Arts of Harvard College, and to Bachelors of Arts of other Colleges who shall be recommended by the Faculty of Harvard College. Candidates must pursue an approved course of study in Medicine for at least one year after taking the degree of Doctor of Medicine. Students who have taken the four years' course, and have passed the examinations "with high credit," may obtain the degree of Master of Arts by presenting their applications to the Faculty on or before the first of June in the year of their final examinations.

ANATOMICAL PRIZE.

Professor C. B. PORTER offers a prize of fifty dollars, open to all students, and graduates of not more than five years' standing, except teachers of anatomy, for the best dissection deserving the award illustrative of surgical anatomy, the specimen to be presented to the Museum.

OTOLOGY PRIZE.

For the best preparation illustrating the osseous anatomy of the ear or for the best thesis showing original work on an otological subject, in alternate years, the sum of twenty-five dollars, open to third-year students.

PECUNIARY AID.

Four yearly Scholarships, of the value of \$200 each, have been established by the Faculty, and are open to meritorious students who have been at the School for at least one year. The two Barringer Scholarships, of the value of \$300 and \$200 respectively, will be awarded to deserving students, preferably those of the fourth class. The David Williams Cheever Scholarship, of the value of \$200, will be awarded to a student of the first year. Only those needing assistance are expected to apply; and of such, those holding the highest rank will have the preference. Holders of Scholarships may be required to render assistance in laboratory courses to an amount not exceeding four hours per week.

The income of the John Foster Fund, amounting to about one hundred and fifty dollars, is payable every other year to one or more meritorious students needing assistance.

BULLARD FELLOWSHIPS.—Three Fellowships have been established in the Medical School by Mr. William S. Bullard, to be known as the George Cheyne Shattuck Memorial Fellowship, the John Ware Memorial Fellowship, the Charles Eliot Ware Memorial Fellowship. The income, amounting to \$250 each, from any one or all of these Fellowships may be paid to any student or member of the medical profession who shall be selected by the Faculty of the Medical School to make such original investigations in Medical Science, as in their opinion will be most useful to the profession and the community.

FEEES AND EXPENSES.

For matriculation, five dollars; for a year, two hundred dollars, (if in two payments, at the first, one hundred and twenty dollars; at the second, eighty dollars); for a half-year alone, one hundred and twenty dollars; for graduation, thirty dollars. During the first two years there are the following additional expenses: Two dollars for each of the three parts required for dissection; and four dollars per year for chemical material, in addition to the charge for breakage of glass apparatus. Of students who do not pay in advance, a bond for \$300, executed by two sufficient bondsmen, one of whom must be a citizen of the United States, is required. A copy of such bond will be sent, on application to the Secretary of the Faculty, and all students are recommended to deposit such a bond. To students depositing bonds, term-bills will be presented one week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students will be held responsible for the payment of fees until they have notified the Dean of their intention to withdraw from the School, and have subsequently received their bond from the Treasurer.* Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Faculty, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction—this remission to date from the reception by the Dean of a written notice of the student's withdrawal from the School. No degree can be conferred till all dues to the School are discharged. The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. The janitor of the Medical School will always have a list of boarding-houses in the vicinity of the School building, varying in their rates of charges from five to ten dollars a week.

* The Treasurer's office is at 50 State St., Boston.

Fourth-Year Fees. — The fee for the full year to all students who have paid for three full courses in the School, and who are entitled to be classified in the Catalogue as fourth-year students, shall be one hundred dollars. For other students, including graduates of other schools, the fee shall be two hundred dollars. For Internes in Hospitals, who are entitled to apply for the degree, the fee shall be thirty dollars for the entire year. For students engaged in special advanced work in the laboratories the fee shall be one hundred dollars.

COURSES OF STUDY FOR GRADUATES.

The Faculty has arranged a greatly enlarged and improved plan of instruction for graduates, embracing nearly all the branches of practical and scientific medicine. It is designed to supply those opportunities for clinical and laboratory study which have hitherto been sought in Europe by young graduates and practitioners.

The new and extensive laboratories of the School are inferior to none in America, and the clinical advantages afforded by the hospitals of Boston furnish abundant material for all purposes of instruction. The following are the principal institutions : —

Massachusetts General Hospital,	Boston Lying-in Hospital,
Boston City Hospital,	The Children's Hospital,
Boston Dispensary,	McLean Asylum for the Insane,
Massachusetts Eye and Ear Infirmary,	Boston Lunatic Hospital,
Free Hospital for Women,	The Carney Hospital.

Instructors in the Medical School are members of the medical and surgical staffs of these institutions, and students are admitted to all of them under their immediate supervision.

Instruction in the graduate courses is entirely distinct from that of the undergraduate department of the School; but students of the former will be admitted also to all the regular lectures (not clinical) of the latter without extra charge during their connection with the School.

Instruction will be conducted in small classes and under the personal direction of the heads of departments. The courses will be mostly of eight weeks' duration, and the practitioner will be able during a brief residence to take one or several of them. Those desiring to study a specialty may pursue long, continuous courses in any single branch at reduced rates.

Instruction will be given throughout the academic year, October to June.

A certificate of attendance will be furnished when desired.

FEES.

The fees for the separate courses in the several departments vary with the courses.

Fee for two months' attendance upon all the courses,	\$100.
“ “ four months’ “ “ “ “	150.
“ “ attendance throughout the academic year “ “ “	200.

An extra fee is required for the use of material in laboratory, dissecting and operative courses. Matriculation, \$5.

All fees are payable in advance to the Treasurer of the University, 50 State Street, Boston.

LIST OF COURSES.

Anatomy. — The following courses are offered : —

1. The Anatomy of the Joints, illustrated by preparations, frozen sections, and the live model.
2. The Anatomy of the Central Nervous System, including Cerebral Localization and the Course of Fibres. Illustrated by preparations, models, plates, and diagrams.
3. Applied Anatomy demonstrated on the cadaver, including Surface Anatomy.
4. A Dissection Course.

Histology and Embryology. — The following courses are offered : —

1. A course on Human Embryology.
2. Normal Histology.
3. Histological Technique.

Physiology. — Opportunities for carrying on original investigations in the Physiological Laboratory, which is well provided with apparatus for original research, including recording instruments of various sorts, induction coils, interrupters, galvanometers, constant temperature apparatus, photographic outfit, artificial respiration apparatus, etc.

Medical Chemistry. — Practical instruction in the Chemical Laboratory, in physiological chemistry, in the analysis of the urine and other animal fluids in health and disease, and of poisons; examination of blood-stains and other objects connected with medico-legal investigations, with the application of the microscope to these processes. Instruction in General Analysis will also be given if desired.

Pathological Anatomy. — The courses in Pathological Anatomy will consist of —

(1) Demonstrations of Morbid Material, and Practice in the Method of Post-mortem Examinations.

(2) Exercises in Pathological Histology.

(3) Instruction in Clinical Microscopy.

(4) Laboratory Opportunities for Special Investigations.

Each course will last eight weeks, and instruction will be continuous throughout the academic year from October to June.

Clinical Medicine. — Instruction in Clinical Medicine will consist of 8 courses of from 8 to 24 exercises, which will be fully illustrated by cases in the wards of the Massachusetts General and Boston City Hospitals, and at the Boston Dispensary.

Surgery. — Eleven courses, including Minor, Clinical, Genito-urinary, and Orthopaedic Surgery, are offered at the Massachusetts General, Boston City, and Children's Hospitals.

Obstetrics. — Clinical instruction in Obstetrics will be given in the wards of the Boston Lying-in Hospital on two mornings of the week during the months of November and December, February and March, and April and May. Special attention will be given to the management of convalescence after confinement, and opportunity will be given to witness labor cases and operations in the Hospital. Each course will last two months.

An abundance of out-patient cases of Obstetrics will be furnished.

Practical instruction in Operative Obstetrics on the cadaver will be given at the Medical School, consisting of ten daily exercises.

Dermatology. — Instruction in Diseases of the Skin will be given at the Skin Department of the Massachusetts General Hospital. Over two thousand cases are treated at this clinic yearly, which come from the New England States generally and the British provinces, and present many examples of the rare forms of cutaneous affections.

Each course will last eight weeks, and instruction will be continuous throughout the academic year, from October to June inclusive. Graduates will have opportunity for the closest examination of patients. They may also attend the systematic course of lectures on Dermatology. A large collection of Baretta's models of skin disease is open to their inspection in the Museum of the School.

Otology. — The instruction in this department will be given at the Massachusetts Charitable Eye and Ear Infirmary and at the Boston City Hospital. Each course of eight weeks' duration will include, in addition to the exhibition and explanation of cases, practical instruction in examination and diagnosis, and a systematic review of the anatomy, physiology and diseases of the ear.

The Infirmary, 176 Charles Street, offers unusual facilities for the study of ear diseases in its very large clinic, more than three thousand aural cases being treated annually. It is fully provided with receiving, operating, and lecture rooms, severe cases and those requiring serious operations being provided with beds in the house and skilled nursing.

At the City Hospital, Harrison Avenue, many of the most important operations on the ear are performed, and in addition its general and contagious wards of more than four hundred beds afford unusual opportunities for studying the aural complications of general diseases, more especially of the exanthemata, as large numbers of cases of typhoid fever, diphtheria, scarlet fever, and measles are received here every year. The courses will consist of twenty-four exercises of one hour or more each.

Gynaecology. — Instruction in Diseases of Women will be given at the Free Hospital for Women and the Boston Dispensary. The wards of the first-named Hospital afford opportunities for the study of the severer forms of uterine disease, while the Out-Patient Department of both institutions supplies abundant material for the education of the touch, and the diagnosis and treatment of all minor gynaecological diseases. There will be eight courses of from 12 to 24 exercises.

Graduates may also attend the course of lectures at the Medical School.

Provided six or more graduates desire an operative course, in which they may take part in the performance of the various gynaecological operations upon the cadaver, as well as acquire greater familiarity with the instruments used in minor Gynaecology, such instruction will be given from 7 till 9 P.M. each evening during the last two weeks of each of the previous courses.

Laryngology and Rhinology. — Instruction in Diseases of the Throat and Nose will be given in two courses from January to April. Each course will last six weeks.

Each course will consist of a demonstration of the structure of the larynx and nasal passages, and practical instruction in the use of the laryngoscope and rhinoscope, and in the diagnosis and treatment of affections of the throat and nose. Both Hospitals afford excellent material.

Neurology. — Courses of from 12 to 24 lectures each will be given on Diseases of the Nervous System, at the Out-Patient Department of the Massachusetts General Hospital. The material afforded by this clinic, which receives patients from all over New England, is ample; the Department is well provided with means for the investigation of cases; the courses will be abundantly illustrated by diagrams and microscopic preparations as well as by the exhibition of patients, and will include instruction in the use of electricity in diagnosis and treatment.

Mental Diseases. — Instruction in Mental Diseases will be given at the McLean Asylum for the Insane during February and March. The daily average number of patients is 169.

Diseases of Children. — Instruction in Diseases of Children will be given at the City Hospital, Children's Hospital, Infant Hospital and West End Nursery, Boston Dispensary (Children's Room), throughout the year.

The material which can be made use of in this course is very large in amount, comprising not only the more common forms of disease met with by the physician in his every-day practice, but also the rare forms.

The new wards at the City Hospital, built especially for the reception of cases of scarlet fever and diphtheria, offer exceptional advantages for studying the diagnosis and treatment of these diseases.

Legal Medicine. — Instruction in Legal Medicine will be given at the City Hospital. Each course will last eight weeks, and instruction will be continuous throughout the academic year from October to June.

Hygiene. — Practical instruction will be given in the Laboratory at the Medical School in the analysis of air, water, soils, and of articles of food and drink for adulterations. Opportunities will also be afforded for special work. Attention will also be given to the sanitary inspection of houses, public buildings, and premises of offensive trades, and to the investigation of ventilation, plumbing, etc.

Bacteriology. — The courses in Bacteriology will consist of instruction in the methods of research, together with opportunities for original investigation. The means of illustration and facilities for work are those of a well-equipped laboratory.

Those pursuing these courses may elect the studies to which they will give their attention, and allot the time they will devote to each. They will be exempt, unless at their option, from examinations, and may obtain a certificate of attendance on the courses pursued. On payment of the full fee for the year, they will have the privilege of attending any of the other exercises of the Medical School, the use of its laboratories and library, and all other rights accorded by the University.

Graduates of other medical schools may obtain the degree of M.D. at this University, after a year's study in the graduates' course. The required examinations are those of the three years' course, and may be passed at such times as may be agreed upon by the examiners and the graduate student.

For further information and full description of the courses for graduates, address Dr. H. P. BOWDITCH, *Dean*, Harvard Medical School, Boylston Street, Boston, Mass.

SUMMER COURSES.

During the summer of 1892 courses in many branches of practical and scientific medicine will be given by some of the teachers of the School. These courses will be clinical in character and will be given at the Hospitals and Dispensaries by the physicians and surgeons on duty. Practical instruction will also be given in several of the Laboratories at the School by the instructors in charge.

A detailed list of the Summer Courses will soon be announced. For further information address Dr. H. P. BOWDITCH, *Dean*, Harvard Medical School, Boylston Street, Boston, Mass.

BOYLSTON MEDICAL PRIZES.

These prizes, open to public competition, are offered annually for the best dissertations on questions in medical science proposed by the Boylston Medical Committee.

No prize was awarded at the annual meeting of 1891.

For 1892 two prizes are offered :—

1. A prize of two hundred dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology, or Pathology*. The subject to be chosen by the writer.

2. A prize of one hundred dollars for the best dissertation on *The Aetiology of Hospital Gangrene*.

Dissertations on these subjects must be sent post-paid to W. F. WHITNEY, M.D., Harvard Medical School, Boston, Mass., on or before *Wednesday, April 2, 1892*.

For 1893 two prizes are offered :—

1. A prize of two hundred dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology or Pathology*. The subject to be chosen by the writer.

2. A prize of two hundred dollars for the best dissertation on *Clinical and Experimental Investigations of Uraemia with reference to the Formation and Retention of Special Poisons, which are not ordinary constituents of the urine*.

Dissertations on these subjects must be sent to the same address as above on or before *Wednesday, April 3, 1893*.

In awarding these prizes preference will be given to dissertations which exhibit original work, but if no dissertation is considered worthy of a prize, the award may be withheld.

Each dissertation must bear in place of its author's name some sentence or device and must be accompanied by a sealed packet bearing the same sentence or device and containing within the author's name and residence. *Any clue by which the authorship of a dissertation is made known to the committee will debar such dissertation from competition.*

Dissertations must be written in a distinct and plain hand, and their pages must be bound in book form.

All unsuccessful dissertations are deposited with the Secretary, from whom they may be obtained, with the sealed packet unopened, if called for within one year after they have been received.

By an order adopted in 1826, the Secretary was directed to publish annually the following votes:—

1. That the Board do not consider themselves as approving the doctrines contained in any of the dissertations to which premiums may be adjudged.

2. That in case of publication of a successful dissertation, the author be considered as bound to print the above vote in connection therewith.

The Boylston Medical Committee is appointed by the President and Fellows, and consists of the following physicians: ROBERT T. EDES, M.D., *President*, SAMUEL G. WEBBER, M.D., H. P. BOWDITCH, M.D., FRANK W. DRAPER, M.D., J. COLLINS WARREN, M.D., EDWARD S. WOOD, M.D., WILLIAM F. WHITNEY, M.D., *Secretary*, F. H. WILLIAMS, M.D.

The address of the *Secretary* is WILLIAM F. WHITNEY, M.D., Harvard Medical School, Boston, Mass.

THE DENTAL SCHOOL,

BOSTON.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*

THOMAS H. CHANDLER, D.M.D., *Dean, and Professor of Mechanical Dentistry.*

DAVID W. CHEEVER, M.D., *Professor of Surgery.*

HENRY P. BOWDITCH, M.D., *Professor of Physiology.*

THOMAS DWIGHT, M.D., LL.D., *Professor of Anatomy.*

THOMAS FILLEBROWN, M.D., D.M.D., *Professor of Operative Dentistry.*

CHARLES A. BRACKETT, D.M.D., *Professor of Dental Pathology.*

WILLIAM B. HILLS, M.D., *Associate Professor of Chemistry.*

EUGENE H. SMITH, D.M.D., *Instructor in Orthodontia.*

EDWARD C. BRIGGS, M.D., D.M.D., *Assistant Professor of Materia Medica and Therapeutics.*

JERE E. STANTON, M.D., D.M.D., *Instructor in Oral Anatomy, Physiology, and Bacteriology.*

OTHER INSTRUCTORS.

FOREST G. EDDY, D.M.D., *Instructor in Operative Dentistry.*

VIRGIL C. POND, D.M.D., *Instructor in Operative Dentistry.*

WALDO E. BOARDMAN, D.M.D., *Instructor in Operative Dentistry.*

GEORGE H. MONKS, M.D., *Instructor in Surgical Pathology.*

GEORGE L. WALTON, M.D., *Instructor in Neurology.*

FREDERIC E. BANFIELD, D.M.D., *Instructor in Operative Dentistry.*

WILLIAM P. COOKE, D.M.D., *Clinical Lecturer in Operative Dentistry.*

WILLIAM H. POTTER, D.M.D., *Clinical Lecturer in Operative Dentistry.*

DWIGHT M. CLAPP, D.M.D., *Clinical Lecturer in Operative Dentistry.*

EDWARD E. HOPKINS, D.M.D., *Instructor in Crown and Bridge Work.*

CHARLES H. TAFT, D.M.D., *Instructor in Operative Dentistry.*

HENRY W. GILLETT, D.M.D., *Instructor in Operative Dentistry.*

HENRY M. CLIFFORD, D.M.D., *Demonstrator of Operative Dentistry.*

HENRY L. UPHAM, D.M.D., *Instructor in Operative Dentistry.*

ARTHUR H. STODDARD, *Instructor in Mechanical Dentistry.*
 CHARLES P. WORCESTER, M.D., *Instructor in Dental Chemistry.*
 WILLIAM F. GAY, D.M.D., *Assistant Demonstrator of Operative Dentistry.*
 PATRICK W. MORIARTY, D.M.D., *Demonstrator of Mechanical Dentistry.*
 CHARLES E. PERKINS, D.M.D., *Assistant Demonstrator of Operative Dentistry.*
 GEORGES A. BROUILLET, D.M.D., *Assistant Demonstrator in Operative Dentistry.*

STUDENTS.

THIRD YEAR.

NAME.	RESIDENCE.	PRESENT ADDRESS.*
Burnham, Allen Stanley,	Gloucester,	Gloucester.
Chase, Charles Edward Bugbee,	Warren, Me.	10 Dean St., Everett.
Curtice, Willard Eben,	Allston,	Allston.
Davenport, Kirk Addison, D.D.S.		
(Univ. of Penn.) 1890,	Union, N. Y.	301 Columbus Ave.
Gabell, Ernest Frederick,	Brighton, England,	80 Appleton St.
Hill, Herbert Frederick,	Lincoln, England,	62 W. Cedar St.
Holden, George Meads, D.M.D.		
1891,	Middlesex Village, Lowell,	344 Boylston St.
Hulme, Albert Edward,	Andover,	Andover.
Jackson, Arthur,	Boston,	1 Trinity Pl.
Moritz, Richard Carl,	Leipzig, Germany,	24 Dartmouth St.
Peach, Henry Robinson,	Marblehead,	79 Lafayette St.
Rose, Henry Edmund,	Birmingham, England,	80 Appleton St.
Wyllie, Nathan Prindle,	Boston,	273 Columbus Ave.

SECOND YEAR.

Arnold, Eugene Everett,	Pawtucket, R. I.	223 W. Canton St.
Bryant, Edward Stanley,	Brockton,	Brockton.
Crane, Charles Winfield,	Beverly,	Beverly.
Cummings, Charles Oscar, A.B.		
(Dartmouth Coll.) 1890,	Claremont, N. H.	6 Temple St.
Dickerman, Frank Roberts,	Taunton,	Taunton.
Field, George William,	London, England,	72 Pinckney St.
Grove, Joseph Geiger,	Delaware, O.	357 Columbus Ave.

* Addresses are in Boston, unless stated to be elsewhere.

Hallett, Theodore,	<i>Yarmouth,</i>	32 Mt. Vernon St.
Lamere, Arthur John,	<i>Lowell,</i>	Lowell.
Macloon, George Rogers,	<i>Deering, Me.</i>	47 Hancock St.
Parsons, Harry Snow,	<i>Brunswick, Me.</i>	58 Pinckney St.
Quinby, Edward Melville,	<i>Liverpool, England,</i>	482 Columbus Ave.
Richardson, Frederick King,	<i>Duluth, Minn.</i>	72 Pinckney St.
Smith, John Joseph,	<i>Warren, R. I.</i>	47 Hancock St.
Snow, Wallace,	<i>Boston,</i>	171 Falmouth St.
Wilkinson, Frank Merrett,	<i>Koorringa,</i>	
	<i>So. Australia,</i>	212 Columbus Ave.

FIRST YEAR.

Ashley, Fred Merton,	<i>Charlestown,</i>	6 Sever St., Charlestown.
Belliveau, Joseph Bergin,	<i>Melrose,</i>	48 Walton Park, Melrose.
Boylston, Joseph,	<i>No. Duxbury,</i>	87 Green St., Cambridgeport.
Estey, Harold Watson,	<i>Roslindale,</i>	46 Florence St.
Gettings, David Edward,	<i>Boston,</i>	142 W. Concord St.
Haley, Harry West,	<i>Biddeford, Me.</i>	Roslindale.
Hayden, Thomas Bernard,	<i>Roxbury,</i>	10 Kearsarge St., Roxbury.
Horgan, Daniel Matthew,	<i>Boston,</i>	46 Concord Sq.
McDonough, Raimond Edgar,	<i>Boston,</i>	38 Moreland St.
Milliken, Richard Dyer,	<i>Saco, Me.</i>	178 W. Canton St.
Nealley, William Newton,	<i>Charlestown,</i>	1 Oak St., Charlestown.
Percival, Frederick William,	<i>Peterboro, England,</i>	94 Appleton St.
Pieper, Charles Dudley,	<i>So. Boston,</i>	849 Fourth St., So. Boston.
Quinn, Thomas Edward,	<i>Putnam, Conn.</i>	1 Dartmouth Pl.
Riley, John Francis,	<i>So. Boston,</i>	172 I St., So. Boston.
Smith, Arthur Galusha,	<i>Peoria, Ill.</i>	69 Dartmouth St.
Taft, George Lund, A.B. (<i>Boston Univ.</i>) 1884,	<i>Cambridge,</i>	[Cambridge]. 17 Lowell St.,
Veo, Lewis Napoleon,	<i>Lowell,</i>	Lowell.
Walton, William Joseph,	<i>Mattapan,</i>	Mattapan.
Williams, Percy Martin,	<i>Wallingford, Vt.</i>	177 Falmouth St.
Wolfe, Oliver Perry,	<i>No. Weymouth,</i>	No. Weymouth.
Woodcock, Arthur Hale,	<i>Worcester,</i>	7 Hawthorn St., Worcester.

THE DENTAL SCHOOL.

The Dental Department of the University is established in Boston, in order to secure in connection with the Medical Department those advantages for Clinical instruction which are found only in large cities.

Instruction in this School is given throughout the academic year, by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed. The year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June. There is a recess beginning December 23, and ending January 2; and a spring recess, beginning on the Wednesday before Fast Day and ending on the following Tuesday, both inclusive. The course of instruction is progressive, and extends over three years, the teaching of one year not being repeated in the next.

The studies of the first year are Anatomy, Physiology, and General Chemistry, in connection with the classes in these subjects of the Harvard Medical School, the student receiving the same instruction by the same professors at the same time and place with the medical students and at the end of the year passing with them the same examinations.

It is the object of the Faculty to present a complete course of instruction in the theory and practice of Dentistry; and for this purpose a well-appointed laboratory and infirmary are provided, and such arrangements made as insure an ample supply of patients. Clinical instruction is given by the professors and other instructors; and, under the direction of demonstrators, patients are assigned to the students, insuring to all opportunity of operating at the chair, and becoming by actual practice familiar with all the operations demanded of the dentist.

The Infirmary remains open, and one of the Clinical Instructors and the Demonstrator are in attendance, daily, throughout the academic year, offering to students unsurpassed facilities for acquiring practical knowledge and manipulative dexterity.

Students have access to the hospitals of the city; to the dissecting-room and museum of the Medical College; and also, *without additional charge, to the instruction and examinations given in any other department of the University, with the exception of exercises carried on in the special laboratories.*

REQUIREMENTS FOR ADMISSION.

All candidates for admission, except those who have passed an examination for admission to Harvard College, or the Lawrence Scientific School, must present a degree in Letters, Science, or Medicine, from a recognized college or scientific school, or pass an examination in the following subjects :

1. ENGLISH. Every candidate will be required to write, legibly and correctly, an English composition of not less than two hundred words, and also to write English prose from dictation.

2. PHYSICS. A competent knowledge of Physics (such as may be obtained from Balfour Stewart's Elements of Physics).

ELECTIVE SUBJECTS. Each candidate for admission must also pass an examination in *one* of the following subjects : Latin, French, German, the Elements of Algebra, or Plane Geometry.

Students may be admitted to advanced standing upon passing a satisfactory examination in a *majority* of the studies already pursued by the class, but before taking the degree examinations in *all* the studies must have been satisfactorily passed.

Graduates of recognized Dental Schools will be admitted without examination to the courses of Operative and Mechanical Dentistry, but attendance on such courses does not entitle to examination for the degree nor to a certificate of attendance.

The examinations for admission are conducted in writing. In judging the work of the candidate, the spelling, grammar and construction are considered.

The examination for admission is held at the Dental School in North Grove St., Boston, on the Monday preceding the last Wednesday in September, beginning at 10 A.M.

No person will be examined for admission at any other than the regularly appointed time.

The entrance and first-year examinations will be allowed to foreign students who have passed *equivalent* examinations abroad, upon presentation of proper certificates from the examining boards vouching for the facts.

The diploma is accepted by the English Board of Registration under the Dental Act, so that graduates of this School who are not British subjects can practise dentistry in Great Britain without further examination.

All persons intending to take the entrance examination must send their names to the Dean for registry at least two weeks previous to the day on which the examination is to take place.

COURSE OF INSTRUCTION.

The following are the methods of study adopted in the various departments : —

Anatomy. — Lectures, demonstrations, various practical exercises, including dissection under the direction of the Demonstrator; recitations.

Physiology. — Lectures, recitations, conferences, and practical demonstrations in the laboratory. Opportunities for work in the physiological laboratory of the new Medical School are offered to students who are qualified to carry on original investigations.

Chemistry is taught mainly by practical work in the laboratory, the student having his own desk and apparatus. Descriptive chemistry and qualitative analysis are taught during the first year. Beside the laboratory work, there is a lecture and recitation every week.

Surgery. — Lectures and recitations in oral surgery illustrated by colored drawings and by recent and morbid specimens. All approved instruments and apparatus are exhibited and explained. Operations are performed on the living subject at the hospitals, and upon the dead body. Instruction is given in the use of anaesthetics.

Instruction in clinical surgery is given at the Massachusetts General Hospital and City Hospital every week.

Surgical Pathology. — Lectures and recitations embracing the subjects of shock, inflammation, repair, suppuration, ulceration, mortification, embolism, pyaemia, erysipelas, and tetanus.

Operative Dentistry. — The instruction in this department is both didactic and practical. The Professor and other Instructors endeavor to demonstrate all known methods of performing operations upon the teeth and other tissues involved.

The treatment of decay, the materials used for filling teeth, the most approved instruments and appliances used in operating upon the teeth, are appropriately discussed. Clinics are held at the Infirmary, and every available means used to make the student practically acquainted with all the modern improvements of this important branch of dental science; but no student will be permitted to operate at the chair until he has by observation and practice on extracted teeth satisfied the Professor of his fitness.

Oral Anatomy and Physiology. — Lectures and recitations upon the minute anatomy of the teeth and their histological development, and the surgical pathology of the tissues in and about the mouth. A part of this course will be devoted to the study of bacteria. Material is furnished for the examination of the tissues in a healthy and diseased condition, with instruction in its preparation. Instruction is given in the use of the microscope, and the preparation of objects for examination.

Dental Pathology. — In the beginning of the course of lectures the general principles of pathology, including etiology, nosology, semeiology, diagnosis, and prognosis are outlined. The various pathological condi-

tions in their relations to one another and their modifications of structure and function are taught. This prepares the way for the special pathology of the region with which the dentist has most to do. The diseases of the dental and contiguous tissues are considered in detail, with reference to their nature, causes, manifestations and terminations, and their relations with systemic conditions.

Materia Medica and Therapeutics. — A complete course of *Materia Medica and Therapeutics* is taught by this chair by lectures and recitations once a week throughout the school year. Special attention is given to those drugs which the dentist is called upon to use, and a collection of drugs is open to the inspection of the student.

Mechanical Dentistry. — Lectures and practical work in the laboratory; the manner in which mineral teeth are constructed, the principles and method of carving and furnace-work, and all compounds used for artificial teeth; also metallurgy, and the manner in which gold and silver plates are prepared and adapted to the mouth; the use of rubber and other articles as bases. It is the aim to teach not only the mere mechanical processes of dentistry, but that combination of art with mechanism which enables the practitioner to effect so much in restoring the symmetry of the face and usefulness of the teeth, where they have been lost or impaired by accident or disease.

Orthodontia is taught by lectures and by practical work in the infirmary. Models of cases are shown, and students are made familiar with the principles underlying the irregularities and the various appliances for their correction.

Neurology. — A course of six lectures on neurology will include a brief review of the anatomy and physiology of the nervous system, the anatomy of the trifacial nerve being made the subject of special study.

The nervous disturbances liable to be set up by dental irritation, and, conversely, those likely to produce odontalgia, will be considered as fully as the limited nature of the course permits, special attention being paid to trifacial neuralgia.

Dental Chemistry. — The Metals: their properties and ready chemical identification.

Alloys and Amalgams: formation, properties, and short methods of analysis.

Compounds, inorganic and organic: such as are of chief dental importance.

Chemical processes which take place in the mouth, including decomposition of tooth substance.

Antisepsis: all processes described are illustrated as far as possible by practical demonstration.

Clinical Lectures on Operative Dentistry.—Operations on patients—demonstrations and exhibition of models, showing the individual methods of the lecturers with descriptions and explanations.

BOOKS OF REFERENCE.

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| Gray's Anatomy (11th edition). | Turrebull's Anaesthetic Manual. |
| Holden's Osteology. | Foster's Encyclopaedic Medical Dictionary. |
| Dwight's Anatomy of the Head. | Dunglison's Medical Dictionary. |
| Bryant's Surgery. | Gould's Medical Dictionary. |
| Billroth's Surgical Pathology. | Black's Dental Anatomy. |
| Foster's Text book of Physiology. | Fillebrown's Operative Dentistry. |
| Martin's Human Body. | Taft's Operative Dentistry. |
| Yeo's Manual of Physiology. | Harris's Principles and Practice (12th edition). |
| Witthaus's Manual of Chemistry (3d edition). | Tomes's Dental Surgery. |
| Fresenius' or Douglas and Prescott's Qualitative Analysis. | Garretson's Oral Surgery. |
| Potters' Materia Medica. | Kingsley's Oral Deformities. |
| Edes's Materia Medica and Therapeutics. | Farrar's Irregularities of the Teeth. |
| Miller's Microorganisms of the Human Mouth. | Guilford's Orthodontia. |
| National Dispensary. | Talbot's Irregularities. |
| Austin's Stimulants and Narcotics. | Richardson's Mechanical Dentistry. |
| Bartholow's Hypodermatic Medication. | American System of Dentistry. |
| | Evans's Crown and Bridge Work. |
| | Mitchell's Dental Chemistry. |

EXAMINATIONS.

The regular examinations, conducted in writing and orally, are held at the end of each year in June in the following order, viz:—

At the end of the first year in the studies of that year,—anatomy, including dissection, physiology, and general chemistry. A certificate from the Demonstrator of Anatomy will be required of each student that he has satisfactorily performed the required dissections.

At the end of the second year in the studies of that year,—oral pathology, dental materia medica and therapeutics, oral surgery and surgical pathology.

At the end of the third year in operative and mechanical dentistry and in orthodontia. These examinations will include actual operations performed during the course, and the preparation of specimens of mechanical dentistry.

Applicants for advanced standing must pass all the examinations of the

years which they desire to omit. or furnish proof that they have passed equivalent examinations.

Examinations for advanced standing are held a week before the opening of the School in September.

No student will be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. Students intending to present themselves for examination must notify the Dean by letter of such intention, two weeks before the time when the examination is to be held.

Those who fail in any subject may present themselves in that subject again at the next regular examination. The regular examinations for the year 1891-92 will begin June 6 and September 19, 1892.

REQUIREMENTS FOR THE DEGREE.

The degree of Doctor of Dental Medicine (*Dentariæ Medicinæ Doctor*) may be conferred upon any candidate of adult age, and of good moral character, who has passed *all the required examinations*, and convinced the Professors and Instructors of Operative and Mechanical Dentistry of his ability to meet satisfactorily the requirements of his art. He must also give evidence of having studied medicine or dentistry three full years, the last continuous year of which must have been spent at this School.

He must also deposit with the Dean, to be placed in the Museum of the School, a specimen of mechanical dentistry, or of practical or pathological anatomy, prepared during the course under the eye of the instructor.

No student may advance with his class until he has passed a satisfactory examination in a majority of the studies already pursued by his class.

Admission to advanced standing does not diminish the time (three years) to be spent in professional studies.

The course is a graded one of three continuous years. *Graduates* from other reputable dental schools will be permitted to enter the Senior class after passing the required examinations, or without examination, by special vote of the Dental Faculty.

INSTRUMENTS.

With the exception of extracting instruments, lathes, and vulcanizers, each student will be required to furnish his own tools, instruments, and appliances for both laboratory and operating room.

LIBRARIES.

The College Library at Cambridge and that of the Boston Medical Library Association are open to students.

The Boston Public Library is open to students who are inhabitants of Boston. Students who are not inhabitants of Boston, who have filed bonds at the Treasurer's office, or deposited with the treasurer the sum of fifty dollars, may also use this Library.

FEEES.

There are no fees for matriculation, for the diploma, or for the demonstrators. For the first year a student is a member of the School, the fee is \$200, in two payments of \$120 and \$80, at the beginning of each term; for the second year, \$150, in two payments of \$100 and \$50, payable at the beginning of each term; for any subsequent year, \$50, payable at the beginning of the year.

Students who do not file a bond are required to deposit \$15 to cover breakages, &c. in the Chemical Laboratory; also a deposit of \$6 for parts for dissection. The unused balance is returned at the end of the year.

Graduates of recognized Dental Schools will be admitted to the courses of Operative and Mechanical Dentistry for the whole or any portion of the academic year on payment of fifty dollars for each course. By attending these courses the student does not become a candidate for the degree nor is he entitled to a certificate of attendance.

Of students *who do not pay in advance*, a bond for \$300 executed by two sufficient bondsmen, one of whom must be a citizen of the United States, is required. A copy of such bond will be sent, on application to the Treasurer of the University. The bond of the "American Surety Company," if made in a form satisfactory to the Treasurer of the University, will also be accepted. To students depositing these bonds, term-bills will be presented a week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students will be held responsible for the payment of fees until they shall have notified the Dean of their intention to withdraw from the School, and have received their bond from the Treasurer. *No degree can be conferred till all dues to the School are discharged.*

The student's expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. The Janitor of the Medical School keeps a list of boarding-houses in which the charges are from five dollars per week upwards, according to accommodation furnished.

Students, on joining the School, must enter their names with the Dean of the Faculty.

For further information address THOS. H. CHANDLER, *Dean*, 161 Newbury St., Back Bay, Boston, Mass.

The following Tabular View illustrates the distribution of studies throughout the year.

First Class.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Anatomy, L. Prof. Dwight. Lect.-room C.	Anatomy, L. Prof. Dwight. Lect.-room C.	Anatomy, L. Prof. Dwight. Lect.-room C.		*Anatomy, R. Drs. Conant and Newell. L.-rm. E & D.	
10			{ *Practical Physiol. Dr. J. W. Warren. Physiol. Lab. }			Physiol., R. Prof. Bow- ditch. Lect.-rm. A.
11	Physiology. Lect. or Conf. Dr. J. W. Warren. Lect.-room A.				Physiol., L. Dr. J. W. Warren. Lect.-room A.	{ Chem. R. or L. Ast. Pfr. Hills. L.-r. A. 1st 10 weeks. *Pract. Physiol. Dr. J. W. Warren Ph. Lab. }
12		Physiol., L. Dr. J. W. Warren. Lect.-room A.	Chemistry, L. Prof. Hills. Lect.-room A.	Chemistry, L. Prof. Hills. Lect.-room A.		
2		{ Dr. Up ham. Practical Dentistry. Dtl. Hosp. No. Grove St. }		{ *Practical Physiol Dr. J. W. Warren. Physiol. Lab. }	{ Dr. Gil- lett. Practical Dentistry. Dtl. Hosp. N. Grove St. }	{ †Chem. Lab. }
3	{ †Chem. Lab. }	{ †Chem. Lab. }	{ †Chem. Lab. }		{ †Chem. Lab. }	
4						
5	Pract. Anat. Asst. Prof. M. H. Rich- ardson. Lect.-room D.	Pract. Anat. Asst. Prof. M. H. Rich- ardson. Lect.-room D.	Pract. Anat. Asst. Prof. M. H. Rich- ardson. Lect.-room D.	Pract. Anat. Asst. Prof. M. H. Rich- ardson. Lect.-room D.	Pract. Anat. Asst. Prof. M. H. Rich- ardson. Lect.-room D.	

* In sections.

† During first half-year.

‡ During second half-year.

The studies of the first year are pursued at the Medical School, corner Boylston and Exeter Streets.

* Second Class.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Surg. Path., L. Dr. Monks. 12 weeks. Lect.-room A. †Dent. Chem. L. Dr. Worcester. 10 weeks. Med. School. Lect.-room A.	Mat. Medica. and Thera., L. Asst. Prof. Briggs. Lect.-room B.	Op. Dent., L. Prof. Fille- brown. Lect.-room A.	Orthodontia. L. or Dem. Dr. Smith. Lect.-room A.	Oral Anat. & Physiology, L. Dr. Stanton. Lect.-room A.	Mechan. Dent., L. Prof. Chand- ler. Lect.-rm. A.
10	†Crown and Bridge work. Dr. Hopkins. Prac. Mechan. Dentistry. Lab.	Prac. Mechan. Dentistry. Lab.	Prac. Mechan. Dentistry. Lab.	Prac. Mechan. Dentistry. Dr. Moriarty. Lab.	Prac. Mechan. Dentistry. Lab.	Prac. Mech. Dentistry. Lab.
10½				Dent. Path., L. Dr. Brackett.		
11½				Laboratory. Prac. Mechan. Dentistry.		Dr. Mori- arty, Dem.
12						
1	Dr. Moriarty. Dem.	Dr. Moriarty. Dem.	Dr. Moriarty. Dem.	Dr. Moriarty. Dem.	Dr. Moriarty. Dem.	
2	Pract. Op. Dentistry.	Pract. Op. Dentistry.	Pract. Op. Dentistry.	Pract. Op. Dentistry.	Pract. Op. Dentistry.	
3	Dr. Taft.	Dr. Pond.	Dr. Eddy.	Dr. Banfield.	Dr. Board- man.	
4	Dr. Clifford. Dem.	Dr. Clifford. Dem.	Dr. Clifford. Dem.	Dr. Clifford. Dem.	Dr. Clifford. Dem.	
5	Extracting. Dr. Gay.	Extracting. Dr. Perkins.	Extracting. Dr. Gay.	Extracting. Dr. Perkins.	Extracting. Dr. Brouillet.	

* At Dental Hospital, No. Grove Street.

† During second half-year.

***Third Class.**

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Surg. Path., L. Dr. Monks. 12 weeks. Lect.-room A. †Neurol'gy, L. 6 weeks. Dr. Walton. Lect.-room B.	Mat. Medica and Thera., L. Asst. Prof. Briggs. Lect.-room B.	Op. Dent., L. Prof. Fille- brown. Lect.-room A.	Orthodontia. L. or Dem. Dr. Smith. Lect.-room A.	Oral Anat. & Physiology, L. Dr. Stanton. Lect.-room A.	Mechan. Dent., L. Prof. Chand- ler. Lect.-rm. A.
10	Clin. Lect. or Dem. Dr. Cooke. 5 weeks in Nov. at 10. Dr. Clapp. 4 weeks in Dec. at 12. Dr. Potter.	Prac. Mechan. Dentistry. Lab.	Prac. Mechan. Dentistry. Lab.	Prac. Mechan. Dentistry. Lab.	Prac. Mechan. Dentistry. Lab.	Prac. Mech. Dentistry. Lab.
10½				Dent. Path., L. Prof. Brackett.		
11½						
12	5 weeks in Jan. at 10 o'clock. †Crown and Bridge work. Dr. Hopkins. Prac. Mechan. Dent., Lab.					Dr. Mori- arty, Dem.
1	Dr. Moriarty. Dem.	Dr. Moriarty. Dem.	Dr. Moriarty. Dem.	Dr. Moriarty. Dem.	Dr. Moriarty. Dem.	
2	Pract. Op. Dentistry.	Pract. Op. Dentistry.	Pract. Op. Dentistry.	Pract. Op. Dentistry.	Pract. Op. Dentistry.	
3	Dr. Taft.	Dr. Pond.	Dr. Eddy.	Dr. Banfield.	Dr. Board- man.	
4	Dr. Clifford. Dem.	Dr. Clifford. Dem.	Dr. Clifford. Dem.	Dr. Clifford. Dem.	Dr. Clifford. Dem.	
5	Extracting. Dr. Gay.	Extracting. Dr. Perkins.	Extracting. Dr. Gay.	Extracting. Dr. Perkins.	Extracting. Dr. Brouillet.	

* At Dental Hospital, No. Grove Street.

† During second half-year.

EDWARD C. BECKETT, M.D.V., *Instructor in Operative Veterinary Surgery, and Superintendent of the Veterinary Hospital.*

EDWARD S. ABBOT, M.D., *Assistant in Histology.*

GEORGE F. QUINLAN.

EUGENE A. DOWD.

STUDENTS.

THIRD CLASS.

NAME.	RESIDENCE.	ADDRESS.*
Foss, George Brown,	<i>Boston,</i>	79 Cedar St., Roxbury.
Fowle, Samuel Osié,	<i>Wellesley,</i>	Wellesley.
Mahoney, Francis Xavier,	<i>Boston,</i>	8 Edgerly Pl.
Marshall, James,	<i>Roxbury,</i>	Roxbury.
Murch, Alfred Littlefield,	<i>Boston,</i>	13 Cortes St.
Quinlan, George Francis,	<i>Brookline,</i>	6 Walnut St., Brookline.

SECOND CLASS.

Cronon, Patrick James,	<i>Canton,</i>	Canton. [bury.
Dowd, Eugene Anthony,	<i>Roxbury,</i>	12 Madison St., Rox-
Hawes, Lewis Sumner,	<i>So. Natick,</i>	So. Natick. [ter.
Naylor, William Alfred,	<i>Dorchester,</i>	Chipman St., Dorches-

FIRST CLASS.

Bass, Charles Albert,	<i>Cambridge.</i>	887 Main St., Cambridge.
Brown, Harry Howard,	<i>Melrose,</i>	54 Poplar St., Melrose.
Buckley, William,	<i>Somerville,</i>	19 Virginia St.
Campbell, John Henry,	<i>Charlestown,</i>	14 Baldwin St.
Draper, Abijah Weld,	<i>Milton,</i>	Canton Ave.
Fuller, George Stevens,	<i>No. Andover.</i>	No. Andover.
Hitchcock, William Alvan, Jr.	<i>Malden,</i>	Main St.
Lydiard, Frederick Sylvester,	<i>Everett.</i>	Everett.
Martin, Franklin Haynes, PH.G. (<i>Mass. Coll. of Pharm.</i>)		
1888,	<i>Boston,</i>	257 Columbus Ave.
North, Mark Newell,	<i>Somerville,</i>	Prospect Hill, Somerville.
O'Connell, Thomas Edward,	<i>E. Boston,</i>	347 Chelsea St., E. Boston.
Pope, Lemuel, Jr.	<i>Arlington Heights,</i>	Arlington Heights.
Sawyer, Arthur Woods,	<i>Saugus,</i>	Summer St., Saugus.
Sawyer, Silas Gordon,	<i>Allston,</i>	76 Ashford St., Allston.
Sheehan, Martin David,	<i>Brookline,</i>	Walnut St., Brookline.
Tuttle, Lynford Elwyn,	<i>E. Andover, N. H.</i>	40 Austin St., Hyde Park.
Warren, George Franklin,	<i>Danvers,</i>	Park St., Danvers.

* Addresses are in Boston, unless stated to be elsewhere.

SPECIAL STUDENTS.

Jakeman, William Walter,	<i>Halifax, N. S.</i>	Davis Ave., Brookline.
Keogh, Daniel Patrick,	<i>Chelsea,</i>	20 Gerrish Ave.
Machugh, James Bernard,	<i>Boston,</i>	23 Sharon St.
Wiener, Louis,	<i>Buffalo, N. Y.</i>	50 Village St.

SUMMARY.

THIRD CLASS	6
SECOND CLASS	4
FIRST CLASS	17
SPECIAL STUDENTS	4
Total	<hr/> 31

DIVISION OF STUDIES.

For the First Year. — Anatomy, Physiology, General Chemistry, and Botany.

For the Second Year. — Advanced Anatomy, Practical Anatomy, Medical Chemistry, Materia Medica, Therapeutics, Pathological Anatomy, Surgical Pathology, Theory and Practice of Veterinary Medicine, Clinical Medicine, and Clinical Surgery.

For the Third Year. — Warranty and Evidence, Veterinary Therapeutics, Obstetrics, Theory and Practice of Veterinary Medicine, Cattle Practice, Operative Veterinary Surgery, Ophthalmology, Parasites and Parasitic Diseases, Clinical Medicine, and Clinical Surgery.

METHODS OF INSTRUCTION.

The following methods of instruction are adopted in the several departments: —

Anatomy. — The instruction will embrace the *general laws* of anatomy, *typical* anatomy, taking the horse as a type, *comparative* anatomy of the other domesticated animals, and *practical* anatomy, abundant opportunity being offered for dissections under the oversight of the Instructor assisted by the Demonstrator. Histology and the use of the microscope will be taught by Laboratory exercises under the direction of the Instructors.

Physiology. — Lectures, recitations, conferences, and practical demonstrations in the Laboratory. To students of the second and third years opportunities will be given for original investigations in the Physiological Laboratory.

Chemistry will be taught mainly by practical work in the Laboratory, the student having his own desk and apparatus. Descriptive chemistry and qualitative analysis are taught during the first year. Besides the Laboratory work, there is a lecture and a recitation every week. In the second year medical chemistry is taught by lectures, recitations, and exercises in the Laboratory.

Pathological Anatomy will be taught by lectures, recitations, and practical instruction in pathological histology. The collection of the Warren Anatomical Museum will be used to illustrate the lectures, and morbid specimens will be shown in a fresh state. Students will also receive practical instruction in the method of making autopsies. Pathological histology, including the diagnosis of tumors, will be taught in Laboratory exercises; students will be required to prepare the various objects.

Botany will be taught by lectures and practical exercises in the Laboratory and in the field. Typical examples of the various classes of plants

are selected with regard to their Anatomy, Physiology, and Development. Particular attention will be given to the more common Forage Plants, and to the indigenous Poisonous Plants.

At a proper season of the year frequent excursions will be made into the surrounding country for practical work.

Materia Medica, including *Pharmacy*, will be taught by lectures and practical demonstrations.

Therapeutics, or the physiological action of drugs and their application to disease, will be taught in the second year by lectures.

Lectures on Warranty and Evidence will be given once a week during the first half-year, and consist of practical talks upon the law of sales and warranty. Also a general discussion of the rules of evidence, with practical suggestions on expert testimony, and the conduct of witnesses in court.

Veterinary Therapeutics will be taught by lectures, recitations, and clinical exercises, at which the students will recommend treatment and write prescriptions for the patients submitted to them.

The Theory and Practice of Veterinary Medicine. — Lectures, Recitations, Hospital Visits, and Out-door Practice. This will include the practice of Equine, Bovine, and Canine Medicine, as well as the treatment of some of the other animals with which veterinarians occasionally have to deal.

Instruction in Cattle Practice will be given once a week during the third year. The course will embrace a discussion of the causes, pathology, prevention, and treatment, of the contagious and non-contagious diseases of neat cattle, supplemented by a consideration of the comparative values of various food materials.

Clinical Medicine. — Daily instruction will be given in this department by visits to sick animals and other exercises by Drs. Lyman, Beckett, Lee Winslow, Soule, and Leonard. The great resources of the School, in its Hospital Wards, together with this unusually large clinical staff, and systematically planned clinical work, offers to students an opportunity for gaining *practical* knowledge of the disorders of animals, which, it is believed, is not approached elsewhere in this country. They will be furnished with cases for personal examination, and will be called upon to report them before the class, where the reports will be criticised. A regular course of supplementary instruction will be given in Auscultation and Percussion, which will afford students an abundant opportunity for acquiring a thoroughly practical knowledge of these methods of exploration.

Surgery. — Lectures and recitations. There will also be courses on Surgical Histology, Bandaging, the Application of Surgical Apparatus, and Operative Surgery. Regular days are set apart for operations at the

Veterinary Hospital. Students are also expected to attend the operations at the City and Massachusetts General Hospitals, and in the third year will have opportunity of performing various operations upon the living subject, under the direction of the Instructor, and before the class.

Obstetrics. — Lectures. Students will be instructed in the methods of performing necessary operations.

Ophthalmology. — A course of lectures, with practical exercises, will be delivered upon the diseases of the eye in the domestic animals, and instruction will be given in the use of the ophthalmoscope.

Parasites and Parasitic Diseases. — A special course of lectures and clinical instruction will be given in this subject.

Embryology. — A special course of lectures will be given during the first year.

Bacteriology. — A special course of lectures will be given during a portion of the second year.

TEXT-BOOKS.

The following works are recommended as text-books, and for consultation :—

Anatomy. Strangeway's Veterinary Anatomy, Vaughan. Chaveau's Comparative Anatomy, Fleming. Anatomy of the Horse, a Dissection Guide, McFadyean.

Physiology. Foster's Text-book of Physiology. Martin, The Human Body. Kirke's Handbook of Physiology. Yeo's Manual of Physiology. Mill's Comparative Physiology.

General Chemistry. Whitthaus' Medical Student's Manual of Chemistry. Miller's, Roscoe and Schorlemmer's, or Fowne's Chemistry. Douglas and Prescott's, or Fresenius' Qualitative Analysis.

Medical Chemistry. Neubauer and Vogel, Analysis of the Urine. Tyson's Guide to Practical Examination of the Urine. Ultzmann and Hoffman's Atlas der Harnsedimente. Hoppe-Seyler's Physiologische Chemie. Taylor on Poisons. Wormley's Micro-Chemistry of Poisons.

Botany. Gray's Text-book.

Materia Medica. Veterinary Medicines, Their Action and Uses, Finlay Dun. Morton's Manual of Pharmacy for the Veterinary Student. United States Pharmacopoeia.

Pathological Anatomy. Ziegler's Pathological Anatomy and Pathogenesis. Orth's Compend of Diagnosis in Pathological Anatomy. Friedlaender's Use of the Microscope in Clinical and Pathological Examinations. Coat's Manual of Pathology. Cohnheim's Lectures on General Pathology.

Therapeutics. H. C. Wood's Therapeutics. Ringer's Therapeutics.

Obstetrics. Fleming's Veterinary Obstetrics.

Theory and Practice. The Principles and Practice of Veterinary Medicine, Williams. The Principles and Practice of Veterinary Surgery, Williams. Equine Medicine, Robertson. Percival's Hippopathology. A Manual of Bovine Pathology, Steele. The Management and Diseases of the Dog, Hill.

Surgery. Billroth's Surgical Pathology. Text-book of Operative Veterinary Surgery, Fleming. Précis de Chirurgie Vétérinaire, Peuch et Toussaint. Handbuch der Thierärztlichen Operationslehre, Herring.

COURSES OF INSTRUCTION.

Anatomy.

Descriptive Anatomy. *Three times a week.* Dr. LEE.

Practical Anatomy, with Exercises in Dissection. *Daily. Nov. till May.* Dr. LEE and Demonstrators.

Form and Action of the Horse. Professor LYMAN.

Laboratory Exercises in Histology. *Twice a week.* Dr. QUINCY.

Physiology.

Systematic and Experimental Physiology. *Four times a week.* Dr. J. W. WARREN.

Laboratory Exercises in Experimental Physiology. Dr. J. W. WARREN.

Chemistry.

Descriptive and Analytical Chemistry. *Three times a week.* Assistant Professor HILLS.

Medical and Toxicological Chemistry. *Twice a week.* Professor WOOD.

Practical Exercises in the Laboratory for Analytical Chemistry. *Eight hours a week.* Assistant Professor HILLS.

Practical Exercises in the Laboratory for Medical Chemistry. *Daily.* Professor WOOD and Dr. EMERSON.

Botany.

Botany. *Twice a week in the second half-year,* with Laboratory and Field work. Dr. WINSLOW.

Materia Medica and Therapeutics.

Materia Medica, with Practical Demonstrations. *Twice a week.* — Practical Pharmacy. *Daily.* Dr. SOULE.

Therapeutics. *Three times a week.* Dr. HARRINGTON.

Veterinary Therapeutics. *In the second half-year.* Dr. WINSLOW.

Pathology and Pathological Anatomy.

General Pathology and Pathological Anatomy. *Four times a week.* Professor FITZ.

Special Pathology with Demonstrations and Laboratory Exercises in Pathological Histology. *Twice a week.* Dr. WHITNEY.

Practical Instruction in performing Autopsies. Professor LYMAN, Dr. BECKETT, and Dr. SOULE.

Surgery.

Operative Veterinary Surgery, Lectures and Practical Exercises. Dr. BECKETT.

Lectures in Surgery. *Once a week.* Professor CHEEVER.

Surgical Pathology. *Twice a week till January.* Professor J. C. WARREN.

The Application of Bandages and Apparatus. Dr. BECKETT.

Ophthalmology.

Diseases and Injuries of the Eye. Lectures and Practical Exercises. *Once a week.* Dr. F. E. CHENEY.

Parasitic Diseases.

Parasites and Parasitic Diseases. *Once a week.* Dr. WHITNEY.

Theory and Practice.

Theory and Practice of Veterinary Medicine.

Three times a week. Professor LYMAN.

Bovine Pathology. *Once a week.* Dr. OSGOOD.

Obstetrics.

Theory and Practice of Veterinary Obstetrics. *Once a week in second half-year.* Professor LYMAN.

Warranty and Evidence.

Warranty and Evidence. *Once a week.* Mr. UNDERWOOD.

Clinical Veterinary Medicine.

Surgery. *Daily.* Professor LYMAN, Drs. BECKETT, WINSLOW, LEE, SOULE, and LEONARD.

VETERINARY ESTABLISHMENT.

A fully equipped veterinary establishment has been provided, which with its other facilities makes this School one of large resources for students who wish to become thoroughly practical, as well as scientific, veterinarians.

Hospital. — The hospital building, situated at the corner of Village and Lucas Streets in the city proper, offers every advantage for the observation and treatment of sick animals. It is a substantial structure of brick, three stories high, and has been designed and built especially for its uses. Upon the first floor are the office, a large operating-room lighted from above, five commodious box stalls (one of which is arranged for the reception of violent cases) and six ordinary stalls. On the second floor are twelve boxes and stalls of various dimensions, a room for dogs containing about twenty kennels, a pharmacy, and a grooms' room. The third story contains, besides the necessary lofts and work rooms, apartments for the assistant surgeon and house surgeons. In the basement there is a shoeing forge and a boiler room. Hot and cold water, steam heat, and gas are supplied throughout the building, and all pains have been taken to make the drainage and ventilation satisfactory.

Adjoining the Hospital and connected with it, is another brick building, erected entirely for the purposes of the School. This contains, on the lower floor, which is devoted to Hospital uses, boxes and stalls for ten horses. Upon the second floor is the lecture-room, in which a separate desk is provided for each student, and the seats rise each higher than the one before it. From this room a door communicates with the Hospital through which horses, or other animals, may be introduced for purposes of illustration. Upon the third floor in front is the dissecting-room, two stories in height, lighted from above, with an asphalt floor, and heavily painted brick walls, making a room which is at once light, well ventilated, and dry. In the rear is a students' reading-room comfortably furnished, the walls being lined with book-cases which are intended to accommodate the library, to which the members of all the classes have access. Above this on the fourth floor is a room properly fitted with glass cases for the Museum, and beside it a comfortable room for the house surgeons. The whole building is heated by steam.

Forge. — The forge is used for the shoeing of both sound and lame horses. The theory of orthopœdic shoeing will be taught as well as that of shoeing sound animals. It will be possible also for those students who desire it, to procure a course in practical horse-shoeing.

Museum. — Besides the rich collection at the Warren Museum, to which the students have access, the School has the nucleus of a valuable collection of its own, which has already been added to by gifts of anatomical and pathological objects from friends, both within and without the profession.

Methods of Instruction. — In all departments cases will be placed under the care of the senior students, who will be expected to act in regular order as visitors and dressers, to keep a full record of all work done, and

report the same to the class for criticism. In the same way it is expected that students will do the work of mixing and dispensing medicines in the pharmacy, that they may thus become thoroughly competent veterinary pharmacists.

A thorough drill will be given at the hospitals in the various methods of restraining animals during operation, in the application of bandages, and the administration of medicines, as well as in the common methods of approaching and handling animals.

Practice in the examination of horses for soundness will be given frequently during the last two years of the course, and students will be required to write certificates of such examinations and to present them before the class for criticism.

Autopsies will be made on all patients that die at the hospital, and on any cadavers that may be sent for examination.

EXAMINATIONS.

The regular examinations will be held in the following order : —

At the End of the First Year. — Anatomy, Physiology, General Chemistry, and Botany.

End of Second Year. — Advanced Anatomy, Medical Chemistry, Materia Medica and Pharmacy, Pathological Anatomy, and Therapeutics.

End of Third Year. — Veterinary Therapeutics, Obstetrics, Theory and Practice of Medicine, Bovine Pathology, Surgical Pathology, Veterinary Surgery, Ophthalmology, Parasitic Diseases, and practical examinations.

The regular examinations will be held at the end of each year in June, and a week before the opening of the School in September on the studies of the preceding year. The practical examination will be given but once in each year.

No student will be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. No student will be allowed to present himself for examination, in any branch of study, *without notifying the Secretary, in writing*, that he intends to do so, one month before the time when the examination is to be held.

The examinations will be conducted by means of practical exercises, and in writing. No student will receive his degree until he has passed a satisfactory examination in all the subjects of the three years' course, and has presented a certificate from the Instructor or Demonstrator in Anatomy that he has satisfactorily dissected one or more entire bodies. Those who fail in any subject may present themselves in that subject again, at the next regular examination.

DIVISION OF STUDENTS.

Students will be divided into three classes, according to their time of study and proficiency. Students who began their professional studies elsewhere may be admitted to advanced standing, but all persons who apply for admission to the advanced classes must pass an examination in the branches already pursued by the class to which they seek admission.

No student may advance with his class, until he has passed the required examinations in the studies of the previous year, or a majority of them; and no student shall be registered as a member of the third class until he has passed all of the examinations of the first, and a majority of those of the second year; and none but registered members of the third class shall be allowed to participate in the Hospital work.

In order that the time of study shall count as a full year, students must present themselves within the first week of the school year and register their names with the Secretary.

Students who do not intend to offer themselves for a degree will, however, be received for any portion of the course upon special terms.

INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

Members of any one department of Harvard University have a right to attend lectures and recitations in any other department, without paying additional fees; but this provision does not apply to Special Students unless they pay the full fee of \$150. Students in the School of Veterinary Medicine who wish to avail themselves of this opportunity of pursuing scientific or other studies may do so to such extent and in such manner as the Faculty of the School shall in each case prescribe.

LIBRARIES.

The Library of the School of Veterinary Medicine is open to the student, on the deposit of five dollars, to be refunded to him when he may desire, after returning all books.

The College Library at Cambridge is open to the students of the School of Veterinary Medicine.

The Boston Public Library, which contains a large collection of Medical and Veterinary books, is open to students who are inhabitants of Boston. Students who are not inhabitants of Boston, who have filed bonds at the Treasurer's office, or deposited with the Treasurer the sum of fifty dollars, may also use this Library.

ADMISSION.

All candidates for admission, excepting those who can produce certificates proving that they have passed the admission examination at some recognized college or scientific school, must pass an examination in the following subjects:—

ENGLISH. 1. Each applicant will be required to read aloud a selected passage from ordinary English prose.

2. To write legibly and correctly an English composition of not less than two hundred words.

3. To write English prose from dictation.

4. ARITHMETIC. The simple and compound rules of Arithmetic including decimal fractions.

5. OPTIONAL SUBJECTS. Each candidate for admission must pass an examination in *one* of the following subjects: Latin, French, German (the translation of easy prose), the elements of Algebra, Plane Geometry, or Zoölogy.*

Candidates who pass a satisfactory examination in a majority of the subjects will be admitted conditionally, but will not be allowed to graduate until such conditions have been made up.

In 1892, the examinations for admission will be held at the class-room on Village St., on Tuesday, June 28, and on Tuesday, September 27, beginning at 10 A.M.; examinations for admission will **also** be held at the following places, beginning at 8 A.M. on Thursday, June 30:—

In *Quincy*, in rooms of the Adams Academy; in *Andover*, in rooms of the Phillips Academy; in *Groton*, in the rooms of the Groton School; in *Southborough*, in the rooms of the St. Mark's School; in *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street; in *Exeter, N. H.*, in rooms of the Phillips Exeter Academy; in *Concord, N. H.*, in the rooms of St. Paul's School; in *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, Twenty-third Street, corner of Fourth Avenue; in *Albany, N. Y.*, in the rooms of the Young Men's Christian Association; in *Buffalo, N. Y.*, in the High School building, corner of Court and Franklin Streets; in *Philadelphia, Pa.*, in the rooms of the Academy of Natural Sciences, S. W. corner of Nineteenth and Race Streets; in *Washington, D. C.*; *Cleveland, O.*, in the Central High School building; in *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street; in *Chicago, Ill.*, in the rooms of the Chicago Athenæum, Van Buren Street; in *St. Louis, Mo.*, in the Central High School Building, corner of Olive and Fifteenth Streets; in *Minne-*

* Young men who intend to study Veterinary Medicine are advised to pay special attention to the study of Natural History, Chemistry, Physics, and the French and German languages, while in school or college.

apolis, Minn., in the Lecture-room of the Public Library building; in *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets; in *San Francisco, Cal.*, in the rooms of the Boys' High School, on Sutter Street, between Gough and Octavia Streets; in *Portland, Or.*; in some convenient city in Europe, to be announced later; and in *Tokyo, Japan*.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF VETERINARY MEDICINE.

Every candidate must be twenty-one years of age, and of good moral character; must give evidence of having studied Medicine three full years; have spent at least one continuous year at this School; have presented a satisfactory thesis; and have passed the required examinations.

FEES AND BONDS.

For registration, five dollars; for a year, one hundred dollars (if in two payments, at the first sixty dollars; at the second forty dollars); for a half-year alone, sixty dollars; for graduation, thirty dollars. Of students who do not pay in advance, a bond for \$300, executed by two sufficient bondsmen, one of whom must be a citizen of the United States, is required. A copy of such bond will be sent, on application to the Treasurer of Harvard College.* To students depositing bonds, term bills will be presented one week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students will be held responsible for the payment of fees until they have notified the Dean of their intention to withdraw from the School and have subsequently received their bond from the Treasurer. Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Faculty, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction — this remission to date from the reception by the Dean of a written notice of the student's withdrawal from the School. No degree can be conferred till all dues to the school are discharged. The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities.

For further information or catalogues, address C. P. LYMAN, F.R.C.V.S., *Dean*, 50 Village St., Boston, Mass.

* The Treasurer's office is at 50 State Street, Boston.

THE BUSSEY INSTITUTION,
JAMAICA PLAIN, MASSACHUSETTS.
A SCHOOL OF AGRICULTURE AND HORTICULTURE.

—•—
INSTRUCTORS.

THOMAS MOTLEY, A.M., *Instructor in Farming.*

—, *Professor of Applied Zoölogy.*

FRANCIS H. STORER, S.B., A.M., *Dean, and Professor of Agricultural Chemistry.*

BENJAMIN M. WATSON, JR., A.B., *Instructor in Horticulture.*

NATHANIEL THAYER KIDDER, B.A.S., *Instructor in Botany.*

—
EDMUND HERSEY, *Superintendent of the Bussey Farm.*

—
CHARLES S. SARGENT, A.B., *Director of the Arnold Arboretum.*

STUDENTS.

NAME.	RESIDENCE.	PRESENT ADDRESS.
Aguilar, Ramon,	<i>San José, Costa Rica,</i>	104 Mt. Auburn St.
Barnes, Parker Thayer,	<i>Marshfield,</i>	Bussey Institution.*
Brereton, Henry Edwin		
Harmer,	<i>Yonkers-on-Hudson, N. Y.</i>	Bussey Institution.*
Hartt, Arthur William,	<i>Marion,</i>	Dedham.
Hosmer, Ralph Sheldon,	<i>Dorchester,</i>	361 Neponset Ave.*
Ladd, Robert Watson,	<i>Milton,</i>	Milton.
Nash, Francis Philip,	<i>Boston,</i>	252 Beacon St.*
Oliver, Edward Pulling,	<i>Boston,</i>	27 Brimmer St.*
Parker, George Amos, S.B.		
(<i>Mass. Agric. Coll.</i>)	<i>Halifax,</i>	Bussey Institution.*
Platt, William Barnes, A.B.		
1891,	<i>New York, N. Y.</i>	Bussey Institution.
Peralta, Federico,	<i>San José, Costa Rica,</i>	104 Mt. Auburn St.
Rodriguez, Mariano,	<i>San José, Costa Rica,</i>	104 Mt. Auburn St.
Stearns, Edward Sidney,	<i>Camden, Me.</i>	6 Everett St.
Sturgis, Edward, A.B. 1890,	<i>Manchester,</i>	9 Chestnut St.*

* Addresses followed by an asterisk (*) are in Boston; all others are in Cambridge, unless stated to be elsewhere.

The School of Agriculture and Horticulture, established in execution of the Trusts created by the will of Benjamin Bussey, gives systematic instruction in Agriculture, Useful and Ornamental Gardening, and Stock Raising. It is specially adapted for the instruction of young men who have been brought up as practical farmers or gardeners, and who intend to follow one or other of these callings.

It is, in general, meant for young men who intend to become farmers, gardeners, florists, or landscape gardeners; as well as for those who will naturally be called upon to manage large estates; or who wish to qualify themselves to be overseers or superintendents of farms, country seats, or public institutions.

It also meets the needs of students who wish to pursue some special branch of agriculture, horticulture, or botany.

The Bussey Institution is situated near the village of Jamaica Plain, about five miles southwest of the centre of Boston, and close to the Forest Hills station on the Boston & Providence Railroad. It is far enough removed from the other departments of the University to preserve the spirit and atmosphere proper to a School of Agriculture, and to insure to its students mental independence and opportunity to devote themselves wholly to their chosen studies; while, on the other hand, it is near enough to Cambridge and Boston to permit the use of the College Library and of the rich scientific collections of the University, and to enable the student, if he please, to attend a great variety of collateral courses of instruction. Students may live either in the immediate vicinity of the School, or in Boston proper, or in some one of the neighboring villages upon the line of the railroad.

The academic year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June, with a recess from December 23d to January 2d, inclusive, and a spring recess from the Wednesday before Fast Day to the following Tuesday, inclusive.

INSTRUCTION.

Theory of Farming Mr. MOTLEY.

Selection of farms for special purposes. Division into fields for different crops. How manures and composts are prepared and kept. Seeding for hay, grain, and root crops. Selection of cows and other stock for farm purposes, with general directions for breeding the same. Farm accounts.

Horticulture Mr. WATSON.

Preparation of soils for horticultural and floricultural purposes. Management of plants, including methods of propagation. Horticultural implements. Methods of obtaining new varieties of vegetables, fruits, and flowers. Arrangement and care of flower-gardens and kitchen-gardens,

nurseries, and orchards. The construction and care of hotbeds and green-houses. Principles of landscape gardening. Values of trees and shrubs for ornamental purposes. Practical greenhouse work by the student supplements the lectures.

Students interested in tree culture have the opportunity of seeing the raising of trees in great variety for the Arnold Arboretum, on grounds adjacent to the School.

Agricultural Chemistry Professor STORER.

Soil, air, and water in their relations to the plant. The food of plants; — manures, general and special. Chemical principles of tillage, irrigation, systems of rotation, and of special crops and farms. The food of animals; simple and mixed rations. Discussion of the values of different kinds of fodders, of the means of determining fodder values, and of the methods of using fodders to the best advantage.

Botany Mr. KIDDER.

Elements of structural and systematic botany. General classification of plants, with study of the more important natural orders of Phaenogams. Practice in analysis; and study of the common plants of our woods, fields, gardens and greenhouses, with special reference to the needs of agricultural and horticultural students. Rudiments of vegetable physiology.

Instruction is given by lectures and recitations, and by practical exercises in the laboratories, greenhouses, and fields; every student being taught to make experiments, study specimens, and observe for himself. The aim of the teachers is to give the student a just idea of the principles upon which the arts of agriculture and horticulture depend; to teach him how to make intelligent use of the scientific literature which relates to these arts; and to enable him to put a proper estimate upon those kinds of evidence which are obtained by experiments and by the observation of natural objects. Examinations are held statedly to test the student's proficiency.

The courses above described are given in one year, so that they may be profitably pursued by young men of ability and judgment who cannot afford to spare much time for advanced study.

The regular exercises of the School are supplemented by excursions for studying farms, animals, and dairies; for observing methods and instruments employed for removing rocks and stumps, for draining and clearing land, for preparing cranberry bogs, etc. Opportunity is found in this way to discuss the methods of managing milk-farms and poultry-farms and to inspect recent improvements in the construction of farm buildings and of buildings used for the preservation of meat, apples, pears, cranberries, and other fruits.

In addition to the studies above enumerated, students of the Bussey Institution are recommended to pursue some of the courses on Surveying and Geology which are given at Cambridge. There are, moreover, various courses given in other departments of the University, either at Cambridge or in Boston, upon Anatomy, Advanced Botany (both phaenogamic and cryptogamic), Zoölogy, Physics, Physiology, Pathology, Political Economy, and Engineering, which are particularly suitable for agricultural students.

OTHER OPPORTUNITIES FOR INSTRUCTION.

The stated instruction in Agricultural and Horticultural Science, as described above, is given at the Bussey Institution, at Jamaica Plain, by teachers specially attached to this institution. But, besides these regular courses, there are many other opportunities for instruction of which young men who are strong enough to bear extra study may freely avail themselves. Students of the Bussey Institution, in full regular standing, are admitted free to any or all the courses of instruction (about two hundred in number) in the other departments of the University, with the exception of exercises carried on in the special laboratories. In addition to the instruction given by the University, beginners whose previous opportunities have been limited may occupy the evening hours by studying at the free evening High, and Drawing Schools of the City of Boston, which offer a number of useful and interesting courses. The instruction given by these schools is free to persons residing in Jamaica Plain or anywhere within the limits of the city. Free evening lectures upon scientific and other subjects of interest to agricultural students are often given both in Boston and Cambridge. The Massachusetts Horticultural Society holds frequent exhibitions of fruit and flowers; and there are several associations in Boston for the exhibition and discussion of mechanical novelties. Large agricultural warehouses, cattle markets, and abattoirs are all readily accessible, and afford ample opportunity for the observation and comparison of tools and stock. A great variety of greenhouses, and of gardens for the cultivation of fruit, flowers, and vegetables, as well as farms of several different kinds, and estates which illustrate practical landscape gardening, are situated within easy reach of the School and may be visited for purposes of study.

THE BUSSEY FARM.

The Farm belonging to the Bussey Institution, and upon which the school buildings are situated, comprises 200 acres of excellent land, greatly diversified as to elevation and character. It is devoted primarily to the production of hay, which is consumed upon the farm by horses and cattle taken to board. Members of the School have constant opportunity, under the supervision of the Instructors, to observe these animals, and to study

the agricultural operations and the courses of crops by which the fertility of the soil is kept up.

The Superintendent of the Farm explains the structure and operation of improved implements for preparing land for the growth of crops and for harvesting all kinds of farm products. Special efforts are made to teach students how to select tools and machines which are properly constructed and best adapted to do the desired work.

Young men who wish to obtain work upon farms during the summer vacation can do so without difficulty.

LIBRARIES.

Students may freely use the special Agricultural Library at the Bussey Institution; the College Library at Cambridge; and the Boston Public Library, which has a branch and office for the delivery of books in Jamaica Plain not far from the Bussey Institution.

REQUIREMENTS FOR ADMISSION AND GRADUATION.

Candidates for admission must be at least seventeen years of age, and must present testimonials of good moral character. No formal examination will be required of them, but each student must satisfy the Instructors of his ability and of his intention to profit by the teachings of the School.*

Candidates for the degree of Bachelor of Agricultural Science must either take a preliminary course of one year at the Lawrence Scientific School, or prove by examinations that they possess an equivalent amount of knowledge. They must, furthermore, on completion of the stated courses above described, devote a year to advanced study at the University, and to practical research in Agriculture or Horticulture, or in Botany, Anatomy, or Chemistry as applied to those arts, and must satisfy the Instructors, by passing examinations, that they have acquired a thorough knowledge of the subjects in which they present themselves.

Candidates for a degree are expected to pursue with equal diligence all the subjects above described, but the advanced studies of the final year may be varied, at the discretion of the Instructors, in accordance with the student's aims and purposes.

Students who are not candidates for a degree may, upon producing certificates of good moral character, join the School at any time, without

* Young men who wish to prepare themselves to pursue the foregoing courses of instruction to the fullest advantage can pass one year at the Lawrence Scientific School in Cambridge, which provides elementary courses of instruction in Chemistry, Physics, Biology, Physical Geography, Geology, Meteorology, Drawing, French, and German. In order to pursue these studies at the Scientific School with advantage the student should come prepared in Arithmetic, Algebra as far as Quadratic Equations, elementary Plane Geometry, and English Composition. The ability to translate French, German, and Latin will be of advantage to him.

examination, to pursue any special course or courses of instruction which they are qualified to pursue with advantage.

BOND OR DEPOSIT.

Every student, when admitted, must give a bond in the sum of \$200 to pay all charges accruing under the laws and customs of the University. The bond must be executed by two bondsmen, who must be satisfactory to the Treasurer (office No. 50 State St., Boston), and one of whom must be a citizen of the United States. Instead of filing a bond a student may pay his tuition fee for the year in advance and deposit such a sum of money, not exceeding \$50, as may be deemed sufficient to secure the payment of other school dues. Special students will pay the tuition fees in advance at the Treasurer's office, or to Professor F. H. STORER, Dean, at the Bussey Institution.

FEES AND EXPENSES.

The regular fee for the academic year is \$150; for half or any less fraction of a year, \$75; for any fraction of a year greater than one half, the fee for the whole year will be charged. The regular fee will be charged also to those special students who devote themselves to continuous laboratory work in a single department of the School. For any one of the special courses above enumerated under the heading "Instruction" the fee is \$40 for the year.

The tuition fees will be freely remitted to poor and meritorious students; and a limited number of such students will be boarded also free of cost in consideration of labor performed by them upon the farm, in the green-houses, or about the buildings of the Institution.

The other expenses of a student for an academic year, not including clothing and washing, may be estimated as follows:—

Room	\$40.00	to	\$100.00
Board for 38 weeks	133.00	to	200.00
Text Books and Instruments	15.00	to	20.00
Fuel and Lights	15.00	to	25.00
	<hr/>		
	\$203.00	to	\$345.00

For further information, address Professor FRANCIS H. STORER, Jamaica Plain, Mass.

Experiments and investigations made at the Bussey Institution are published from time to time in a Bulletin, of which nine Parts or Numbers, containing fifty-five Essays or Memoirs, have been issued. This "Bulletin of the Bussey Institution" is published by ALLYN & BACON, Boston, and will be mailed by them to any address on receipt of 75 cents per part.

SUMMER COURSES OF INSTRUCTION.

The Courses of Summer Instruction at Harvard University are under the charge of a committee appointed by the President and Fellows. The object of these courses is to afford students an opportunity of pursuing, during the vacation, studies in certain subjects which may aid them in their work as teachers or in their preparation for advanced courses given during term time. During the summer of 1892 it is expected that courses of instruction will be given as follows:—

Chemistry, four courses, viz.: Fundamental Principles of Chemistry; Qualitative Analysis; Quantitative Analysis; Organic Chemistry.

Botany, two courses, viz.: Vegetable Morphology and Physiology and Microscopical Anatomy of Phaenogams; Cryptogamic Botany.

Physics, two courses.

Geology, three courses.

Engineering, three courses, viz.: Topographical Surveying; Railway Surveying; Electrical Engineering.

Physical Culture, two courses.

Physiology and Hygiene.

American History.

Socialism and Social Problems.

Trigonometry.

Horticulture.

English.

German, two courses.

French, two courses.

History and Art of Teaching.

Courses at the Medical School.

Circulars descriptive of these courses may be obtained, after January 1, 1892, on application to *The Secretary of Harvard University, Cambridge, Mass.*

In addition to the above-mentioned courses, certain lectures on methods of instruction will be given by teachers in the several departments represented by the schools. These lectures will be open, without charge, to the persons who are enrolled as members of any of the summer schools in the University.

In general these courses are adapted to the needs of those who intend to be teachers in the several subjects. Several of the more elementary,

however, are intended to meet the needs of beginners and may be taken by students in lieu of the corresponding courses in the College and the Lawrence Scientific School, and may be counted towards a degree.

During the session of the schools the College Library will be open from 9 A.M. till 5 P.M. The Museum of Comparative Zoölogy, the Peabody Museum, and the Mineralogical Collection in Boylston Hall are also accessible to students during the summer vacation.

In general the fees for the above mentioned courses, except those in Chemistry, Engineering, and Physical Training, are \$20 for each course.

Board and lodging may be obtained in Cambridge during the summer vacation at a cost of from \$5 to \$10 per week.

For other information apply to *The Secretary of Harvard University, Cambridge, Mass.*

COURSES IN CHEMISTRY.

In 1891 the chemical laboratories in Boylston Hall were open from July 7 to August 15 inclusive, and courses of instruction in the Fundamental Principles of Chemistry, Qualitative Analysis, Quantitative Analysis, and Organic Chemistry, were given by Mr. JOSEPH TORREY, Jr., with the assistance of Mr. W. L. JENNINGS, Dr. C. J. O. PFEIFFER, Mr. E. F. ROGERS, and Mr. H. F. BROWN.

FUNDAMENTAL PRINCIPLES OF CHEMISTRY.

This course is especially adapted for beginners and consists of a series of experiments, performed in the laboratory by the student himself, under the supervision of the Instructors. The experiments are supplemented by experimental lectures, twice a week, upon theoretical and descriptive chemistry. Both experiments and lectures are designed to illustrate the general laws and doctrines of chemical science, and the object sought is to lead the student not only to observe the fundamental facts of chemistry, but also to grasp the connection between facts and the underlying principles. By this method it is hoped to make the special discipline of chemical studies more effective.

The general method of the course is that set forth in the pamphlet published by the University, as indicating the nature and extent of the requisitions in Chemistry for admission to Harvard College, for candidates who elect Chemistry as a substitute for a portion of their Latin and Greek. This course is therefore especially adapted to teachers of secondary schools preparing for Harvard College, and to students about to enter College under the new requisitions, who have not had opportunities for laboratory work. The instruction is given in the new laboratory arranged for this course, and the execution of the experiments with the simpler and cheaper forms of apparatus is made a prominent feature in the instruction.

STUDENTS.

Bell, Albert T., <i>Teacher in High School,</i>	Crete, Neb.
Bischoff, Martin, <i>Teacher of Sciences,</i>	Buffalo, N. Y.
Buck, W. H., A.M. (<i>Ohio Normal Univ.</i>), <i>Instructor in Science,</i>	Chillicothe, Mo.
Campbell, Walter Stanley, <i>Student, Harvard University</i>	Boston.
Cutter, Leonard T., <i>Student, Mass. Inst. Tech.,</i>	Nashua, N. H.
Francis, Nathaniel Leavitt, <i>Student,</i>	Lexington.
Gehring, Albert, <i>Student,</i>	Cleveland, O.
Gunther, Elaner Christian, A.B. (<i>Harvard Univ.</i>), <i>Student, Harvard,</i>	Cambridge.
Hillig, Frederick,	Buffalo, N. Y.
Kelley, George D.	Allston.
Knapp, Allen Howe, <i>Principal Afton Academy,</i>	Afton, N. Y.
Meriott, Mary E.	Saugus.
Moriarty, M. M. S., A.B. (<i>Holy Cross Coll.</i>), <i>Teacher, Holyoke High School,</i>	Holyoke.
Paul, Florence Helen, A.B. (<i>Smith Coll.</i>), <i>2d Assistant, Easton High School,</i>	Newton Centre.
Pierce, Charles Sumner, <i>Student, Harvard Univ.,</i>	Milton.
Pierce, George Burgess, <i>Student, Harvard Univ.,</i>	Milton.
Ridout, John, <i>Student, Harvard College,</i>	Cambridge.
Rogers, Henry Bromfield, <i>Student, Harvard Univ.,</i>	Boston.
Sanborn, John Crockett, Jr., A.B. (<i>Dartmouth Coll.</i>),	Lawrence.
Seymour, Isabelle, <i>Medical Student,</i>	Philadelphia, Pa.
Smith, Louis de Forest, <i>Student,</i>	Hartford, Conn.
Starks, Sallie G., <i>Student, Nashville College,</i>	Nashville, Tenn.
Thomas, Rufus Kemble, <i>Student,</i>	Lexington.

QUALITATIVE ANALYSIS.

In this course the student, having first observed the characteristic reactions of the most important basic and acid radicals, has practice in deducing methods of analysis based upon his own observations; after which simple and mixed salts, minerals, alloys, etc., are analyzed.

STUDENTS.

Bingham, Howard Henry Charles, A.B. (<i>Harvard Univ.</i>), <i>Teacher,</i>	Hartford, Conn.
Cate, Eleazar, S.B. (<i>Dartmouth Coll.</i>), <i>Teacher in High School, Brockton, Mass.,</i>	West Roxbury.

Cunningham, Margaret, <i>Teacher</i> ,	Boston.
Currie, Thomas Hatfield, A.B. (<i>Harvard Univ.</i>), <i>Student, Harvard College</i> ,	Cambridge.
Denny, Francis Parkman, A.B. (<i>Harvard Univ.</i>), <i>Student, Harvard Medical School</i> ,	Chestnut Hill.
Dolbear, C. E., <i>Student, Tufts College</i> ,	College Hill.
Graton, Alphonse, <i>Teacher of Mathematics and</i> <i>Assistant Professor of Chemistry in Ottawa</i> <i>University</i> ,	Ottawa, Canada.
Jameson, Arthur Hugh,	Woburn.
Kendall, Henry Holton, A.B. (<i>Harvard Univ.</i>), <i>Principal, High School</i> ,	Marlboro'.
McPherson, William D.,	Watertown.
Morrell, Edward Webster, A.B. (<i>Bates Coll.</i>), <i>Teacher, Methodist Seminary, Montpelier, Vt.</i> ,	Montpelier, Vt.
Monfort, Wilson F., A.B. (<i>Marietta Coll.</i>), <i>Teacher</i> , <i>Marietta Academy</i> ,	Marietta, O.
Parry, Eleanor, <i>Student, Harvard Annex</i> ,	New York, N. Y.
Peters, Moses, A.M. (<i>Ursinus Coll.</i>), B.D. (<i>Yale</i> <i>Univ.</i>), <i>Teacher of Chemistry in Ursinus</i> <i>College</i> ,	Collegeville, Pa.
Powers, Ernest Jay, A.B. (<i>Dartmouth Coll.</i>), <i>Teacher</i> ,	Danvers.
Pyncheon, William Harry Chichelé, A.B. (<i>Trinity</i> <i>Coll.</i>), <i>Student, Harvard University</i> ,	Cambridge.
Saville, Sumner Carruth, A.B. (<i>Harvard Univ.</i>),	Cambridge.
Stearns, Edward Sidney, <i>Student, Harvard Univ.</i> ,	Cambridge.
Wulbern, Edward N., A.B. (<i>College of Charleston</i>),	Charleston, S. C.

QUANTITATIVE ANALYSIS.

This course is intended to give a training in the general methods of Quantitative Chemical Analysis, both gravimetric and volumetric. Each student works independently under the immediate oversight of the Instructors. He is assigned problems suitable to his attainments. The analysis of drinking-waters, gases, fertilizers, furnace-products, or other commercial analyses, may be undertaken by the more advanced students.

STUDENTS.

Be Vier, Belle, PH.B. (<i>Wooster Univ.</i>), <i>Teacher</i> <i>of Natural Science, Pennsylvania College,</i> <i>Pittsburgh</i> ,	Pittsburgh, Pa.
Burner, Nathan Llewellyn, <i>Assistan^t. Chem. Lab.</i> , <i>Wooster University</i> ,	Columbus, O.

Burns, James A., A.B. (<i>Notre Dame Univ.</i>), <i>Student</i> ,	Notre Dame, Ind.
Doring, Frederick William, A.M. (<i>Dartmouth Coll.</i>), <i>Principal</i> , <i>Farmington High School</i> ,	Farmington, N. H.
Ganvreaux, Germain, A.M. (<i>Ottawa Univ.</i>), <i>Professor</i> , <i>Ottawa University</i> ,	Ottawa, Canada.
Smith, John B., <i>Student</i> ,	Washington, D. C.
Williams, John McCoy, <i>Student</i> ,	Brooklyn, N. Y.
Wooton, Elmer O., S.B. (<i>Earlham Coll.</i>), <i>Botanist and Chemist at Agricultural Station of New Mexico</i> ,	Santa Cruz, N. M.

ORGANIC CHEMISTRY.

This course consists of instruction and practical work in the organic laboratory, including organic analysis and the different methods peculiar to this branch of the science. Lectures are given on the general problem of molecular structure to indicate the spirit in which this class of investigations is undertaken. The laboratory is open to students having a previous knowledge of the subject, and who may desire to pursue special lines of study.

STUDENTS.

Duncan, Robert K., <i>Student</i> , <i>Toronto University</i> ,	Mitchell, Ontario.
Shuttleworth, Arthur Edward, B.A.SC. (<i>McGill Univ.</i>), <i>Student</i> ,	Guelph, Canada.
Ullmann, Harry Maas, A.B. (<i>Johns Hopkins Univ.</i>), <i>Student at Johns Hopkins University</i> ,	Springfield, Mo.

The courses during the summer of 1892 will open July 6 and continue for six weeks. Instruction will be given in the Fundamental Principles of Chemistry, Qualitative Analysis, Quantitative Analysis, and Organic Chemistry.

The fee for the courses is \$25, payable on entering. An additional charge of \$10 is made for material consumed by the student. In addition to this, all apparatus broken by the student is charged to his account. This charge has averaged from \$1 to \$4, according to the course taken and the care used by the student. To cover both of these charges a deposit of \$15 is required on entering, and whatever balance remains will be returned when the student closes his account.

The summer classes are offered the same facilities for laboratory work as are open to students during the academic year, and the courses furnish to those interested in the science of chemistry, whether students or teachers, an opportunity to gain a good practical knowledge of that science in its various branches.

The courses are open to women.

The College library may be freely used by the students in these courses.

It is desirable that applications for places in the laboratory should be made as early as possible. For this purpose or for further information address *The Secretary of Harvard University*, Cambridge, Mass.

COURSE IN BOTANY.

The summer course in Botany for 1891 was held at the Botanic Garden during July. It was under the instruction of Mr. W. F. GANONG, assisted by Mr. G. J. PEIRCE. The course consisted of two parts: first, laboratory work on Vegetable Morphology, supplemented by a course of daily lectures on the principles of Vegetable Morphology and Physiology; and secondly, laboratory work on the Microscopical Anatomy of the higher plants, supplemented by demonstrations and occasional lectures. The following persons were in attendance:—

STUDENTS.

Andrews, William E., <i>Professor of Natural Science in Blackburn University,</i>	Carlinville, Ill.
Benson, Elizabeth S., <i>Teacher, Saint Katherine's Hall,</i>	Davenport, Ia.
Calvert, Sidney, <i>Student, Harvard University,</i>	Cambridge.
Clinch, Mrs. J. M.,	Cambridgeport.
Derick, Carrie M., <i>Teacher, Trafalgar Institute,</i>	Montreal, Can.
Dudley, W. K., <i>Teacher of Natural Science,</i>	Emporia, Kans.
Griffen, Phebe S., <i>Teacher,</i>	Elizabeth, N. J.
Guest, Julia M., <i>Teacher,</i>	Ogdensburg, N. Y.
Hewes, Anna M., <i>Teacher, Friends' School,</i>	Wilmington, Del.
Kerr, M. Agnes, <i>Teacher,</i>	Bridgeport, Conn.
Lambert, Frank, <i>Student, McGill University,</i>	Montreal, Can.
Loughlin, Ellen O., <i>Teacher,</i>	Hopkinton.
Millsbaugh, L. C., <i>Physician and Instructor in Science, Keuka College, N. Y.,</i>	Vine Valley, N. Y.
Nichols, George, <i>Teacher,</i>	So. Boston.
Reed, Grace, <i>Teacher,</i>	Chicago, Ill.
Runyon, Wm. H., <i>Teacher of Natural Sciences, University School, Chicago,</i>	Chicago, Ill.
Scribner, Julia S., <i>Teacher,</i>	Plainfield, N. J.
Smith, J. Frailey, <i>Student, Harvard University,</i>	Cambridge.
Smith, T. W., <i>Instructor in Botany, Ottawa University,</i>	Ottawa, Can.
Walker, Clara, <i>Teacher,</i>	Chicago, Ill.

An additional course in Cryptogamic Botany will be given in the summer of 1892. For further information or for circulars, communications should be addressed to Mr. W. F. GANONG, Cambridge, Mass.

COURSES IN GEOLOGY.

Three courses in Geology were given during the summer of 1891.

COURSE S1.

An elementary course, beginning July 6, and lasting five weeks, was given at Cambridge by Messrs. COLLIER COBB and J. B. WOODWORTH. The course was parallel to Geology 5, as given in the College. Meetings were held five days in each week. Lectures were given, dealing with the general principles of geological science, at 9 A.M., daily. These lectures were followed by laboratory work, in which those principles were illustrated by the study of material; and in the afternoons a series of field exercises served still further to exemplify the topics which had been considered indoors in the morning work. The following students were in attendance:—

STUDENTS.

Atherton, L. B., <i>Teacher</i> ,	Boston.
Brown, Kenneth, <i>Student, Harvard University</i> ,	Cambridge.
Brown, P. B. K.	Cambridge.
Cary, Walter, <i>Student, University College</i> ,	Milwaukee, Wis.
Clark, C. A.	Cambridge.
Edgar, John, PH.D., <i>President of Wilson College for Young Women</i> ,	Chambersburg, Pa.
Emmet, Robert, <i>Student, Harvard University</i> ,	New York, N. Y.
Gilmore, M. E., <i>Teacher</i> ,	Bridgeport, Conn.
Goodrich, C. Cross, <i>Student, Harvard University</i> ,	Cambridge.
Henderson, William J., <i>Student, Lawrence Scientific School</i> ,	Brookline.
Johnson, Philip Van Kuren, <i>Student, Lawrence Scientific School</i> ,	Boston.
Julbe, Julio, <i>Student, Lawrence Scientific School</i> ,	New York, N. Y.
Kennedy, Harry, <i>Student, Harvard University</i> ,	Roxbury.
Moore, Fred Wadsworth, <i>Student, Harvard University</i> ,	Cambridge.
Morgan, G. O.	Pittsburgh, Pa.
Parsons, William E., <i>Student, Harvard University</i> ,	Newton Centre.
Spurr, J. E., <i>Student, Harvard University</i> ,	Gloucester.
Strong, Lawrence Watson, <i>Student, Harvard University</i> ,	Waban.
Tower, George Warren, <i>Student, Harvard Univ.</i>	So. Boston.

COURSE S2.

An advanced course in field study, on the geology of the stratified rocks, was given at the following places during the summer of 1891. The class assembled on July 10 at Utica, N. Y., where it studied the stratified fossiliferous rocks of the New York system, as illustrated at numerous typical localities in the vicinity, under the direction of Professor N. S. SHALER, assisted by Professor H. S. WILLIAMS of Cornell University and Mr. A. P. BRIGHAM. On July 24, the class moved to Catskill, N. Y., where it spent about a week in studying the same series of rocks, but here complicated by mountain foldings. This work was under the charge of Professor W. M. DAVIS. On August 3, the class moved to Meriden, Conn., where it remained for a week with Professor DAVIS, studying the faulted sandstones and trap-sheets of this part of the Connecticut valley. The course closed with a journey of about two weeks across New Jersey, from the Delaware Water Gap to the Atlantic Coast in which localities of Palaeozoic, Archaean, Triassic, Cretaceous, and Tertiary rocks were successively examined under the guidance of Professor SHALER, Dr. J. E. WOLFF, and Mr. J. B. WOODWORTH. The following students were in attendance:

STUDENTS.

Adair, Rev. James Alexander,	Hanover, Ind.
Brown, S. B., <i>Instructor in Geology, West Virginia University,</i>	
Brownell, G. G.	Syracuse, N. Y.
Fairchild, C. W., <i>Student, Harvard University,</i>	Boston.
Guss, Roland W., <i>Teacher of Science in Wesleyan Academy,</i>	
Landes, Harry, <i>Student, Harvard University,</i>	Wilbraham.
Macallister, Richard, <i>Student, Harvard University,</i>	Carroll, Ind.
Nichols, H. G., <i>Student, Harvard University,</i>	Brookline.
Purinton, C. W., <i>Student, Harvard University,</i>	Newton.
Shapleigh, A. L., <i>Student, Harvard University,</i>	Boston.
Webster, J. R., <i>Student, Harvard University,</i>	Allston.
Weed, W. M., <i>Student, Harvard University,</i>	Dorchester.
Ward, R. DeC., <i>Assistant, Harvard University,</i>	Savannah, Ga.
Woodard, William,	Cambridge.
	Utica, N. Y.

COURSE S3.

The following students engaged in independent study in the field, under the supervision of Professors N. S. SHALER and W. M. DAVIS, and Dr. J. E. WOLFF:—

STUDENT.

Brewster, Edward Tenney, A.B. (<i>Harvard Univ.</i>), <i>Teacher,</i>	Lawrence.
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Davis, Leonard Henry, <i>Student, Harvard University,</i>	Lowell.
Dodge, Richard Elwood, A.B. (<i>Harvard Univ.</i>),	Wenham.
Eastman, Chas. Rochester, A.M. (<i>Harvard Univ.</i>),	St. Paul, Minn.
Finlay, James Ralph, A.B. (<i>Harvard Univ.</i>),	Colorado Spr'gs, Col.
Kummel, Henry Barnard, A.B.,	Milwaukee, Wis.
MacAllister, Richard, <i>Student, Harvard University,</i>	Brookline.
Ropes, James Hardy, <i>Student, Andover Theological Seminary,</i>	Andover.
Snyder, William Henry, A.B. (<i>Harvard Univ.</i>),	Worcester.
<i>Teacher, Worcester Academy,</i>	Gloucester.
Spurr, Josiah Edward, <i>Student, Harvard University,</i>	Boston.
Wainwright, Robert, A.B. (<i>Harvard Univ.</i>),	Middletown, Conn.
Westgate, Lewis G., A.B. (<i>Harvard Univ.</i>),	Cambridge.
Woodworth, Jay Bachus, <i>Student, Harvard University,</i>	

Courses similar to the above will be given in the summer of 1892. The following times and places are provisionally assigned: Course *A*, at Cambridge, July 6-31. Course *B*, at Utica, N. Y., Catskill, N. Y., and Meriden, Conn., July 6—August 15. For particulars, address Professor N. S. SHALER, 25 Quincy St., Cambridge, Mass.

COURSES IN PHYSICS.

1. A course in Experimental Physics covering approximately the ground of "Physics *B*" of the College course and especially adapted to the needs of teachers of Physics in preparatory schools was given by Mr. J. Y. BERGEN, Jr., in the Jefferson Physical Laboratory in the summer of 1891, beginning July 6 and closing Aug. 8.

The following students were in attendance: —

STUDENTS.

Berry, Minnie Stuart, <i>Teacher,</i>	Portland, Me.
Carey, Everett P., <i>Student, Mt. Allison College,</i>	Sackville, N. B.
Chase, F. W., A.M. (<i>Bates Coll.</i>), <i>Principal High School,</i>	Belfast, Me.
Currier, Mattie, <i>Student,</i>	Dorchester.
Hall, Angelo, A.B. (<i>Harvard Univ.</i>), <i>Belmont School,</i>	Belmont.
Hardwick, Rose, A.B. (<i>Smith Coll.</i>),	Lempster, N. H.
Hatfield, Ida, <i>Teacher,</i>	Ottumwa, Iowa.
Kettell, George F., A.B. (<i>Harvard Univ.</i>),	Cambridge.
Knowlton, Junius C., A.B. (<i>Amherst Coll.</i>), <i>Superintendent of Schools,</i>	Tewksbury.

McFee, Anna, <i>Late Teacher of Science, Dana Seminary, Morristown, N. Y.,</i>	Montreal, Canada.
McFee, Katherine, <i>Late Principal Junior Department Leache-Wood School, Norfolk, Va.,</i>	Montreal, Canada.
Miner, Mary J., <i>Teacher of Mathematics and Science, Courtland School,</i>	Bridgeport, Conn.
Morgan, Gwilym, A.B. (<i>Univ. of London</i>), <i>Teacher of Mathematics, St. Austin's School,</i>	Staten Island, N. Y.
Nichols, F. R., <i>Mass. Institute of Technology, English High and Manual Training School,</i>	Chicago, Ill.
Palmer, Irving O., A.M. (<i>Colby Univ.</i>), <i>Teacher of Science, Tabor Academy,</i>	Marion.
Sawyer, Elmer Ellsworth, A.M. (<i>Bates Coll.</i>), <i>Teacher of Science,</i>	[N. Y.] Saratoga Springs, Wells Beach, Me.
Storer, Isaac H., A.B. (<i>Bates Coll.</i>), <i>Teacher,</i>	
Tweedy, Harry H., A.B. (<i>Yale Univ.</i>), <i>Teacher of Physics, Chemistry and Physiology, Hill School,</i>	Pottstown, Pa.
Upham, Emily C., A.B. (<i>Smith Coll.</i>),	Meriden, Conn.
Warner, Rosa E., <i>Teacher,</i>	Ottumwa, Iowa.
Washburn, Charles A., A.B. (<i>Bates Coll.</i>), <i>Teacher of Science, Cony High School,</i>	Augusta, Me.
Worman, B. J., <i>Student,</i>	Cambridge.

A similar course will be given in the summer of 1892, beginning probably July 6 and ending Aug. 10.

2. A higher course in Experimental Physics, covering the ground of the sixty experiments required for admission to College (Advanced Standing, No. 8), and substantially covering the ground of "Physics C" of the College course, was also given by Mr. W. C. SABINE in the Jefferson Physical Laboratory in the summer of 1891, beginning July 6 and ending August 15.

A general idea of the nature of the work can be obtained from a descriptive list of experiments, which may be obtained of CHAS. W. SEVER, *University Bookstore, Cambridge.*

The following students were in attendance :—

STUDENTS.

Brasefield, H. D., PH.B. (<i>Lafayette Coll.</i>) 1891, <i>Tutor of Physics, Lafayette College,</i>	Easton, Pa.
Carpenter, W. B., A.B. (<i>Harvard Univ.</i>) 1890, A.M. (<i>Ibid.</i>) 1891, <i>Student,</i>	Andover.
Hart, Clara A., <i>Teacher of Physics and Mathematics, Hampton College,</i>	Louisville, Ky.

Kato, G. Eu., <i>Physics and Mathematics, Doshisha College,</i>	Kyoto, Japan.
Martin, Duncan M., PH.M. (<i>Hillsdale Coll.</i>) 1881, <i>Professor of Mathematics and Physics, Hillsdale College,</i>	Hillsdale, Mich.
Moore, William C., <i>Student, Lawrence Scientific School,</i>	E. Boston.
Ordway, Evelyn W., S.B. <i>Professor of Physics and Chemistry, Newcomb College, Tulane University,</i>	New Orleans, La.
Perkins, William A., A.M. (<i>Bowdoin Coll.</i>) 1886, <i>Instructor in Mathematics, Beloit College Academy,</i>	Beloit, Wis.
Reinhardt, D. J., S.B. (<i>Haverford Coll.</i>) 1889, <i>Teacher of Physics and Chemistry, Friends' School,</i>	Wilmington, Del.
Smith, Preston, <i>Sub-master, Field High School,</i>	Leominster.
Whitehead, W. M., <i>Teacher of Physics, Charleston High School,</i>	Charleston, S. C.
Williams, William H., A.M. (<i>Williams Coll.</i>) 1887, <i>Master, Mathematics and Physics, Lake Forest Academy,</i>	Lake Forrest, Ill.

A similar course will be given in the summer of 1892, beginning probably July 6 and ending Aug. 17.

Applications or inquiries concerning both courses may be addressed to W. C. SABINE, 55 Trowbridge St., Cambridge.

COURSES IN FIELD ENGINEERING.

TOPOGRAPHICAL AND RAILROAD SURVEYING.

Two courses in Surveying were given during the summer of 1891, each beginning June 30, and continuing six weeks. About eight hours per day were devoted to field or office work, including lectures, and the work of the courses was made equivalent to the regular courses in the Scientific School designated as Engineering 2 and 4.

The Scientific School building was open during the summer, and the School used its rooms and instruments.

The course in Topography consisted of practical instruction in Topographical, Land, and City Surveying. Actual surveys were made, notes plotted, areas and volumes calculated, grades given, and maps completed in ink and colors. The instruction was intended to make the student familiar with the methods and instruments employed in surveying, and to enable him to perform the operations of plane surveying, leveling, and plotting.

STUDENTS.

Drake, Allison, PH.D., <i>Principal of the Arnold School,</i>	Newport, Ky.
Hagerty, Clarence T., S.B., <i>Professor of Mathematics, Agricultural College of New Mexico,</i>	Las Cruces, N. M.
Hall, Percival, <i>Student, Harvard University,</i>	Washington, D. C.
Herring, Frederic Edwin, <i>Student, Mt. Hermon School,</i>	Rodney, Miss.
Scobey, Frank H., <i>Teacher of Mathematics, State Model School of New Jersey,</i>	Trenton, N. J.
Stone, Harry Harlan, A.M., <i>Professor of Applied Mathematics, Emory College,</i>	Oxford, Ga.
Sullivan, Humphrey J., <i>Student,</i>	Boston.
Tripp, Philip Edmund, <i>Student, Lawrence Scientific School,</i>	Fall River.

The course in Railway Surveying included problems in simple and compound curves, turnouts, economics of location, and earthworks; and reconnoissance, preliminary, and location surveys of a railway, including estimates, bills of materials, specifications, and contract for the construction of the same. The surveys were mapped, cross-sections plotted, and the work made as practical in its character as possible.

STUDENTS.

Lynch, William H., A.B., <i>Professor of Physics and Chemistry, Baird College,</i>	Clinton, Mo.
Murphy, William J., A.M., <i>Instructor in Mathematics, University of Ottawa,</i>	Ottawa, Canada.
Penick, John M., A.M., <i>Professor of Chemistry and Physics, Missouri Valley College,</i>	Marshall, Mo.
Schmiedel, Oscar, A.M., <i>Professor of Mathematics, Bethany College,</i>	Bethany, W. Va.

These courses, with slight modifications, will be given in the summer of 1892, beginning Monday, June 29, and continuing six weeks. The fee for each course is \$25, payable on entering to the Bursar of Harvard University.

For further information, address JOHN C. WAIT, M.C.E., Lawrence Scientific School, Cambridge, Mass.

An additional course in Electrical Engineering will be given in the summer of 1892. For information address Mr. C. A. ADAMS, instructor in Electrical Engineering, Lawrence Scientific School, Cambridge.

COURSE IN ENGLISH.

A course in English, corresponding in part to English *A* of the elective list, was given by Mr. H. B. LATHROP in the summer of 1891. A similar course will be given in the summer of 1892. For further particulars address Mr. H. B. LATHROP, 12 Amory Street, Cambridge.

STUDENTS.

Allen, Adelia H., <i>Teacher, High School,</i>	Newark, N. J.
Blakesly, Gilbert S., A.B. (<i>Dartmouth Coll.</i>), <i>Teacher, Worcester Academy,</i>	Worcester.
Cowan, A. C., <i>Student, Boston University Law School,</i>	Boston.
Chapman, Elizabeth, <i>Teacher, Howard College,</i>	Fayette, Mo.
Camp, Esther Louise, <i>Teacher, St. Katharine's Hall,</i>	Davenport, Iowa.
Fisher, Mark O., <i>Student, Harvard University,</i>	Washington, D. C.
Fox, Oliver Edwin, <i>Student, Harvard University,</i>	Big Stone Gap, Va.
Haecker, Else, <i>Teacher of German,</i>	Boston.
Hobbs, W. C., A.B. (<i>Bates Coll.</i>), <i>Teacher, High School,</i>	Providence, R. I.
Ingalls, Edith E., <i>Teacher, Abbott Academy,</i>	Andover.
Knight, T. H. H.	
Mellyn, Mary C., <i>Teacher,</i>	Roxbury.
Muzzey, Sara, <i>Teacher,</i>	Boston.
Parker, Philip S., <i>Teacher,</i>	
Snow, Louis F., A.B. (<i>Harvard Univ.</i>), <i>Instructor in Elocution and Rhetoric, Brown University,</i>	Providence, R. I.
Somerset, Margaret F., <i>Teacher, High School,</i>	Bridgeport, Conn.
Vrooman, Harry C., <i>Clergyman,</i>	Dayville, Conn.
Wright Sara E., <i>Teacher,</i>	Stanton, Va.

COURSES IN GERMAN.

Two courses in German were given in the summer of 1891: one elementary, corresponding in grade to the College course known as German *A* and to the Elementary German for admission; the other corresponding to German 1 and to the Advanced German for admission.

ELEMENTARY COURSE.

STUDENTS.

Elmore, Samuel Dean,	Hartford, Conn.
Leary, James,	Richmond, Utah.
Ogden, Jay Bergen,	Tuscorora, N. Y.

Raudenbusch, Harry William,
Swendsen, George Louis,
Thomas, George,

Reading, Pa.
Richmond, Utah.
Benson, Utah.

ADVANCED COURSE.

STUDENTS.

Campbell, Walter Stanley,
Jensen, Joseph,
McDonald, James Athanasius,
Ridout, John,
Walker, George Albert,
Widtsoe, John Andreas,

Boston.
St. Charles, Idaho.
Boston. [land.
St. Johns, Newfound-
W. Roxbury.
Logan, Utah.

Similar courses will be given in 1892. Applications should be addressed to *The Secretary of Harvard University*, Cambridge, Mass.

COURSES IN FRENCH.

Two courses in French were given in the summer of 1891 by Assistant Professor SANDERSON: one Elementary and the other Advanced.

STUDENTS.

Ayer, Clarence W.
Bridges, E. Mabel,
Carman, A. B.
Cornelius, L. L.
Davis, Moses C.
Fisk, Arthur G.
Tanner, Joseph M.
Thatcher, George F.
Thomas, Arthur F.

Cambridge.
Hopkinton.
E. Richland, Ohio.
Statesville, N. C.
Malad City, Idaho.
San Francisco, Cal.
Logan, Utah.
Logan, Utah.
Salt Lake City, Utah.

Similar courses will be given in the summer of 1892. Applications should be addressed to *The Secretary of Harvard University*, Cambridge, Mass.

COURSE IN ANGLO-SAXON.

A course in Anglo-Saxon was given in the summer of 1891, by Professor J. M. MANLY, PH.D., of Brown University.

The following students were in attendance:—

STUDENTS.

Brewster, W. T., *Student, Harvard University*,
Ingalls, Edith E., *Teacher*,
Lovett, R. M., *Student, Harvard University*,
Wright, S. E., *Teacher*,

Lawrence.
Andover.
Roxbury.
Staunton, Va.

A similar course will be given in the summer of 1892.

COURSE IN PHYSICAL TRAINING.

This course, while designed for teachers, is also open to those desiring the work for their personal improvement; it is conducted at the Hemenway Gymnasium, by D. A. SARGENT, M.D., Director, who takes part in both the theoretical and practical instruction.

The theoretical work of the course comprises lectures and practical talks, with illustrations, on the elements of Applied Anatomy and Physiology, Physical Training, Personal Hygiene, Anthropology, Anthropometry, Physical Examinations and Diagnosis, Methods of Prescribing Exercises for the Individual, Influence of Exercise on the Nervous System, Physical Exercise in the Treatment of Spinal Curvature, Testing for Normal Vision and Hearing, and Massage and its Applications, with the opportunity for practice in Measuring and the use of Testing and Developing Appliances.

The practical work consists of Free Movements, Calisthenics, Light Gymnastics, Marching, Methods of conducting Squad, Class, and Division Exercises, Relaxing Exercises, Delsarte Movements, Gymnastic Games, Swedish Gymnastics, Heavy Gymnastics, Track and Field Athletics, Boxing, Fencing, Swimming, Voice Training, and Exercises prescribed for special needs on Developing Appliances.

A general certificate, indicating the manner in which his or her work is performed, is given to each student attending the full course; and special certificates are given to those passing examinations at the end of the course.

The Special Lecturers at the last session were: Dr. CLARENCE J. BLAKE, Dr. HENRY P. BOWDITCH, Dr. WALTER CHANNING, Dr. THOMAS DWIGHT, Dr. GEORGE W. FITZ, Dr. CHARLES L. SCUDDER, Dr. J. GARDNER SMITH, Dr. MYLES STANDISH, Dr. DUREN J. H. WARD, Dr. SAMUEL G. WEBBER.

The Special Instructors were: JOHN W. BOWLER, CHRISTIAN EBERHARD, HARTVIG NISSEN, JENNIE B. WILSON; and the following were Student Assistants: HARRIET I. BALLINTINE, ALEXANDER E. W. BARKER, MARY EDWARDS, EMIL GROENER, Lieut. CHARLES A. HINCHEE, SIVEM L. RINGHEIM, ADA H. STOUGHTON, ALBERT WHITEHOUSE, MARY WILITS, A.B.

Fees: Full course, \$50; course in practice, \$25; course in theory, for those unable to take the exercise, \$25. The fees are payable, on entering, to the Bursar of the University.

The next session will be held during the five weeks beginning Wednesday, July 6, 1892. Further particulars will be furnished on application to Dr. D. A. SARGENT, Cambridge, Mass.

STUDENTS.

Full Course.

- Aberle, Eda, *Teacher of Calisthenics, Hampton Institute,* Hampton, Va.
- Allen, Amelia Johaveth, *Private Classes in Physical Exercises and Physiology,* Philadelphia, Pa.
- Babcock, Maud May, M.B. (*National School of Oratory, Philadelphia, Pa.*) 1886, *Instructor in Elocution, Delsarte Expression, and Physical Culture, Ingleside School,* New Milford, Conn.
- Ballintine, Harriet Isabell, *Director of Gymnasium, Vassar College,* Poughkeepsie, N. Y.
- Bancroft, Jessie Hubbell, *Teacher of Physical Culture and Elocution,* New York, N. Y.
- Barker, Alexander Edward Wilson, *Director of Gymnasium, Berkeley Athletic Club,* New York, N. Y.
- Blake, Rosa Winifred *Teacher of Calisthenics, Pennsylvania Training School for Feeble Minded Children,* Elwyn, Pa.
- Boice, Harry Belknap, A.M. (*Middlebury Coll.*) 1888, M.D. (*University Medical Coll.*) 1888, *Instructor in Physical Training, State Normal School,* Trenton, N. J.
- Bowler, John William, *Assistant, Hemenway Gymnasium,* Cambridge.
- Boynton, Frances Nichols, *Teacher of Gymnastics, Buffalo Seminary,* Buffalo, N. Y.
- Brédé, Charles Frederic, A.M. (*Haverford Coll.*) 1891, *Master in Classical Languages and German, and Physical Instructor, Friends' School,* Germantown, Pa.
- Bruns, Frank Edward, *Clerk,* New York, N. Y.
- Butler, Amos King, *Principal, High School,* Farmington, Me.
- Chase, William, *Instructor in Physical Training, Wonolancet Club,* Concord, N. H.
- Chidester, Anna Barclay, *Teacher of Physical Culture, Lindenwood College,* St. Charles, Mo.
- Clark, Eliza Smith, *Instructor in Gymnastics, Mt. Holyoke College,* So. Hadley.
- Cobb, Mariana, *Teacher of Gymnastics, Physiology, etc., Oxford Orphan Asylum,* Oxford, N. C.
- Cormack, May Belle, *House Governess and Teacher of Physical Training, Field Seminary,* Oakland, Cal.

- Daniels, Thomas Cowper, PH.B. (*Trinity Coll., Durham. N. C.*) 1891, *Instructor in Physical Training, Trinity College,* Durham, N. C.
- Dowd, Ella, *Teacher of French and Calisthenics, Greensboro' Female College,* Greensboro' N. C.
- Edwards, Mary, *Assistant, Sanatory Gymnasium,* Cambridge.
- Ells, Harriet Boal, *Teacher of Elocution and Gymnastics, St. Margaret's School,* Buffalo, N. Y.
- French, Walter Andrew, *Student and Instructor in Gymnastics, Bates College,* Lewiston, Me.
- Frew, James Wallace, *Instructor in Gymnastics, St. Louis Athletic Club,* St. Louis, Mo.
- Groener, Emil, *Instructor in Gymnastics, Boston Turnverein,* Boston.
- Guild, Gustavus Fisher, *Sub-master, Brimmer School,* Boston.
- Hamaker, Ida Rosana, *Director, Women's Gymnasium, Y. M. C. A.* Baltimore, Md.
- Hinchee, Charles Asbury, LIEUT. (*Illinois National Guard*) 1888, *Instructor in Physical Training, Arkansas Institution for the Blind,* Little Rock, Ark.
- Holmes, Martha Cornelia, M.D. (*Woman's Medical College of Pennsylvania*) 1886, *Physician,* New York, N. Y.
- Holmes, Mary Elise Beatrice, *Teacher,* Bowman's Bluff, N.C.
- Holmstrom, Vendla Margareta, *Teacher of Gymnastics, Channing Sanatorium,* Brookline.
- Jackson, Henry Chester, A.B. (*Bowdoin College*) 1891, *Instructor in Physical Training, Phillips Academy,* Exeter, N. H.
- Keyes, Katherine Theresa, *Teacher of Physical Culture, Music, and Drawing, Lowell Training School,* Lowell.
- King, Josephine Florence, *Student and Instructor in Gymnastics, Bates College,* Lewiston, Me.
- Lambeth, William Alexander, *Instructor in Physical Training, University of Virginia,* Charlottesville, Va.
- Landon, Thomas Durland, LIEUT. (*National Guard, State of New Jersey*) 1888, *Commandant, Bordentown Military Institute,* Bordentown, N. J.
- Lowell, Ellen Louise, *Instructor in Physical Training, Leland Stanford, Jr., University,* Menlo Park, Cal.
- McIntire, Rev. Oscar Garland, A.M. (*Dartmouth Coll.*) 1887, B.D. (*Yale Univ.*), 1883, *Clergyman,* Jewett City, Conn.

- Mayhew, Abbie Shaw, *Teacher of Physical Culture*, Eau Claire, Wis.
 Moore, Annie, *Teacher, Public School*, Wilmington, N. C.
 Moulton, Fanny, *Teacher, Grammar School*, Hay Springs, Neb.
 Ogden, Alice Ada, M.L.A. (*Mt. Allison Ladies' Coll.*) 1884, *Primary Teacher, Mt. Allison Ladies' College*, Sackville, N. B.
 Otis, Lucy May, *Director of Physical Training of Girls, Norwich Free Academy*, Norwich, Conn.
 Owen, Bessie Wakeman, *Gymnastic Accompanist, Berkeley Athletic Club*, New York, N. Y.
 Parker, Fred Eugene A.B. (*Bowdoin Coll.*) 1891, *Instructor in Gymnastics, Brown University*, Providence, R. I.
 Raemisch, Bertha Justina, *Trained Nurse and Masseuse*, Cambridge.
 Reed, Eliza Maria, *Principal, Tapley and Normal Training School*, Springfield.
 Rich, Jessie Maude, *Teacher, Grammar School*, Lowell.
 Ringheim, Siveri Lorinda, *Teacher of Elocution and Physical Culture, Iowa College*, Grinnell, Ia.
 Seabury, Maria Elizabeth, A.B. (*Smith Coll.*) 1890, *Teacher of Physical Training, Halifax Ladies' College*, Halifax, N. S.
 Sikes, Enoch Walter, A.M. (*Wake Forest Coll.*) 1891, *Director of Gymnasium, Wake Forest Coll.* Wake Forest, N. C.
 Smedley, Caroline Webster, *Teacher of Private School, Frankford*, Philadelphia, Pa.
 Smith, Mrs. Jennie Christine, *Teacher of Physical Culture and Latin, State Normal School*, Mansfield, Pa.
 Smith, J. Gardner, M.D. (*Bellevue Hospital Medical College*) 1886, (*College of Physicians and Surgeons*) 1887, *Director of Physical Training, Public Schools*, New York, N. Y.
 Stecher, William Albin, *Teacher of Gymnastics, St. Louis Turnverein*, St. Louis, Mo.
 Stoughton, Ada Hooper, *Teacher Private Classes*, New Haven, Conn.
 Stratton, Sina, *Teacher of Mathematics, Westtown Boarding School*, Westtown, Pa.
 Welch, Edward Augustus, S.B. (*Wesleyan Univ., Middletown, Conn.*) 1885, M.D. (*Harvard Medical School*) 1888, *Resident Physician, Hill School*, Pottstown, Pa.
 Werkmeister, Bertha Marie, *Teacher, Primary School*, Chicago, Ill.

Whitehouse, Albert, <i>Gymnastic Instructor, Ottawa Athletic Club,</i>	Ottawa, Ont.
Wilder, Gertrude,	Flint, Mich.
Willits, Mary, A.B. (<i>Swarthmore Coll.</i>) 1884, <i>Instructor in Gymnastics and Mathematics, Friends' School,</i>	Wilmington, Del.
Wilson, Jennie Blanche, <i>Instructor, Sanatory Gymnasium,</i>	Cambridge.
Wilson, Kate, <i>Teacher,</i>	Eau Claire, Wis.
Yarborough, Fannie Neal, <i>Governess,</i>	Georgetown, S. C.

Course in Practice.

Anderson, Nellie Sargent, <i>Assistant, Y. W. C. A. Gymnasium,</i>	Boston.
Appleton, Annie Parker,	Roxbury.
Bilger, Lavilla Christina, M.E.L. (<i>Silliman Institute, Clinton, La.</i>) 1878, <i>Teacher of Physical Culture, North Texas College,</i>	Sherman, Texas.
Bissell, Mary Elizabeth, <i>Teacher, Intermediate School,</i>	Warwick, R. I.
Clark, Margaret Emily, <i>Director, Woodbridge Gymnasium,</i>	No. Cambridge.
Dodge, Sarah Osgood,	Fairfax, Ia.
Dodge, Susan Alzir, <i>Teacher of Elocution and Gymnastics, W. E. I. U.,</i>	Providence, R. I.
Dunscomb, Walter Sewell, <i>Student, Lehigh University,</i>	So. Bethlehem, Pa.
Fisher, Mark Ohl, <i>Student, Harvard College,</i>	Cambridge.
Hatfield, Ida, <i>Teacher, Grammar School,</i>	Ottumwa, Ia.
Henay, Frances Anastasia, <i>Director of Physical Culture, New England Conservatory of Music,</i>	Boston.
Hoffman, Frederick Lewis, <i>Student and Instructor in Gymnastics, Bates College,</i>	Lewiston, Me.
Kimberlin, Nettie Dansman, <i>Director of Physical Training, Public Schools,</i>	Detroit, Mich.
Lanigan, Laura McCaskey, <i>Teacher of Mathematics and Gymnastics, Reading Seminary,</i>	Reading, Pa.
Livermore, Clara Temple, <i>Teacher of Physical Culture, Detroit Athletic Club,</i>	Detroit, Mich.
Mable, Adelaide, <i>Masseuse,</i>	Asheville, N. C.
Marshall, Mary Tylden, <i>Instructor in Physical Culture and Elocution, Friends' School,</i>	Tioga, Pa.

Mooney, Gertrude Pauline, <i>Student, Washington School,</i>	Cambridge.
Newton, Adeline Prichard, <i>Principal, Private School,</i>	Plainfield, N. J.
Noyes, Adelaide Ella, <i>Teacher of Elocution and Physical Training, Private Classes,</i>	Lowell.
Patten, Henry White, <i>P.H.B. (Yale Univ.) 1886, BREVET MAJOR (Illinois National Guard) 1890, Instructor in Physical Training, University School,</i>	Chicago, Ill.
Ward, Henry Bodwell, <i>Clerk,</i>	Boston
Webb, Christopher,	Weymouth.
Wilbor, Elsie Marie, <i>Associate Editor, Werner's Voice Magazine,</i>	New York, N. Y.
Wilson, Mary Caroline, <i>Student, Sanatory Gymnasium,</i>	Cambridge.
Wilson, Scott, <i>Student and Instructor in Gymnastics, Bates College,</i>	Lewiston, Me.

Course in Theory.

Greubel, Otto, <i>Director, Turnverein,</i>	Chicago, Ill.
Kindervater, Alvin Ernest, <i>Teacher of Gymnastics, Turnverein and Public Schools,</i>	Chicago, Ill.
Suder, Henry, <i>Director, Chicago Turngemeinde,</i>	Chicago, Ill.
Zapp, Karl, <i>Director, Germania Turnverein,</i>	Cleveland, Ohio.

COURSES AT THE MEDICAL SCHOOL.

During the summer of 1891, courses, chiefly clinical, were given by the instructors of the School to graduates and advanced students.

STUDENTS.

Aldrich, Albert C., <i>M.D.</i>	Somerville.
Allen, Clarence J., <i>M.D.</i>	Peterboro', N. H.
Baldwin, William F., <i>M.D.</i>	Danvers.
Bradley, G. B., <i>M.D.</i>	Boston.
Brough, David D., <i>A.B. (Princeton Coll.) 1888,</i>	Providence, R. I.
Burr, Alexander, <i>M.D.V.</i>	Brighton.
Cabot, Richard C., <i>A.B. 1889,</i>	Brookline.
Clark, Leonard B., <i>M.D.</i>	Waverly.
Coffin, Mrs. J. E., <i>M.D.</i>	Mt. Auburn.
Courtney, Samuel E.	W. Malden.
Cunningham, Joseph H.	Somerville.

Davis, Abel A.,	Brooklyn, N. Y.
Davis, N. A., M.D.	Hanover, N. H.
Edmonds, Louis,	Boston.
Egan, Peter R., M.D.	Boston.
Elliott, Frederick W., M.D.	Roxbury.
FitzSimmons, Philip M.	Boston.
Flood, Everett, M.D.	Baldwinsville.
Foss, George B.	Roxbury.
Garceau, Edgar, M.D.	Boston.
Gay, Warren F., A.B. 1890,	Boston.
Hall, Henry P., M.D.	Leominster.
Hardon, Robert W.	Newton.
Harlow, George A., A.B. (<i>Amherst Coll.</i>) 1889,	Augusta, Me.
Holder, Oscar H., A.B. 1888,	Boston.
Ilsley, Frederick R.	Chelsea.
Keith, Frederick S.	Waltham.
Lancaster, S. R., M.D.	Cambridge.
Libby, Jesse H.	Charlestown.
Littlefield, Samuel H.	Roxbury.
Loveland, John E., A.B. (<i>Wesleyan Univ.</i>) 1889,	Middletown, Conn.
McIntyre, James A., A.B. (<i>Univ. of New Brunswick</i>) 1880,	St. John, N. B.
Macdonald, William H., A.B. (<i>St. Francis Xavier</i> <i>Coll.</i>) 1888,	Antigonishe, N. B.
Mailhot, Louis L.	Lincoln, R. I.
Mellus, Edward L., M.D.	Worcester.
Mitchell, Carleton,	Boston.
Moran, Horace S., A.B. (<i>Williams Coll.</i>) 1889,	Wakefield.
Mumford, James G., M.D.	Boston.
Nickerson, Asa H., M.D.	Central Falls, R. I.
Norton, Rupert,	Cambridge.
Noyes, N. K., M.D.	Hanover, N. H.
O'Brien, Denis A., A.B. (<i>Holy Cross Coll.</i>) 1888,	Lewiston, Me.
O'Keefe, Michael W., M.D.	E. Boston.
O'Leary, Joseph A., M.D.	Wakefield.
Park, Francis E., M.D.	Stoneham.
Perkins, Jay, M.D.	Penobscot, Me.
Phelps, John S., A.B. 1889,	Lynn.
Phillimore, Frederick G.	Boston.
Phillips, James L.	Boston.
Pitman, Arthur J., M.D.	Barnstead Centre,
Pope, F. G.	Waltham. [N. H.
Rhindland, J. H.	Washington, D. C.

Subject.	Instructor.	Place.	Begins.	Ends.	Days.	Hour.	Fee.
1. Clinical Medicine	Dr. Fitz	Mass. Gen. Hosp.	July 3	Aug. 14	Mo. We. Fr.	9	20.00
2. Clinical Medicine	Dr. Withington	City Hosp.	Sept. 8	Oct. 3	Tu. Th. Sat.	10	15.00
3. Physical Diagnosis	Dr. Garland	Mass. Gen. Hosp. ^s	July 1	July 31	Daily	9.30	20.00
4. Physical Diagnosis	Dr. Garland	Mass. Gen. Hosp. ^s	Aug. 1	Aug. 31	Daily	9.30	20.00
5. Nervous Diseases	Dr. Putnam	Mass. Gen. Hosp.	July 1	July 31	Mo. We. Fr.	10	20.00
6. ¹ Children's Diseases	Dr. Buckingham	Children's Hosp.	June 13	Aug. 31	Mo. Th. Sat.	10.30	20.00
7. ¹ Children's Diseases	Dr. Sherman	Boston Dispensary	July 1 ^s	Sept. 30	Mo. Th. Sat.	10	20.00
8. ¹ Thoracic & Abdominal Diseases	Dr. Vickery	Mass. Gen. Hosp.	June 2	June 30	Tu. Th.	10	15.00
9. ¹ Anatomy of the Ear	Dr. Bryant	Medical School	July 3	July 31	Tu. Fr.	2	15.00
10. Diseases of the Ear	Dr. Blake	Eye and Ear Inf.	July 2	July 30	Tu. Th. Sat.	10	25.00
11. ¹ Clinical and Operative Surgery	Dr. Richardson	Mass. Gen. Hosp.	July 1	Aug. 12	Tu. We. Fr. Sat.	11	25.00
12. ¹ Clinical and Operative Surgery	Dr. Richardson	Mass. Gen. Hosp.	Aug. 14	Sept. 30	Tu. We. Fr. Sat.	11	25.00
13. Clinical and Operative Surgery	Dr. Post	City Hosp.	July 1	July 31	Mo. We. Fr.	10	20.00
14. Clinical and Operative Surgery	Dr. Burrell	City Hosp.	Aug. 1	Aug. 29	Tu. Th. Sat.	11	20.00
15. Clinical and Operative Surgery	Dr. Burrell	City Hosp.	Sept. 1	Sept. 29	Tu. Th. Sat.	11	20.00
16. ¹ Orthopedic Surgery.	Dr. Bradford	Children's Hosp.	July 1	Aug. 31	Mo. We.	4	20.00
17. Clinical & Genito-urinary Surgery	Dr. Cabot	Mass. Gen. Hosp.	July 1	Aug. 15	Mo. We. Th. Sat.	11	25.00
18. Genito-urinary Surgery	Dr. Watson	City Hosp.	June 2	July 11	Tu. Th. Sat.	11	20.00

19. Minor Surgery	Dr. Mixer	Mass. Gen. Hosp.	July 1	July 31	Mo. We. Fr.	10	\$20.00
20. Minor Surgery	Dr. Mixer	Mass. Gen. Hosp.	Aug. 3	Aug. 31	Mo. We. Fr.	10	\$20.00
21. ¹ Obstetrics	Dr. Green		June 1	July 31			\$30.00
22. ¹ Obstetrics	Dr. Reynolds Dr. Townsend		Aug. 1	Sept. 30			\$30.00
23. Operative Obstetrics	Dr. Reynolds	Medical School	July 6	July 18	Daily	3.30	\$20.00
24. Operative Obstetrics	Dr. Townsend	Medical School	Aug. 3	Aug. 15	Daily	3.30	\$20.00
25. Minor Surgical Gynecology	Dr. Strong	Women's Free Hosp.	July 2	July 21	Tu. Th.	11	\$24.00
26. Minor Surgical Gynecology	Dr. Strong	Women's Free Hosp.	July 23	Aug. 6	Tu. Th.	11	\$25.00
27. ¹ Mental Diseases	Dr. Cowles	McLean Asylum	July 2	July 31	Mo. Th. Fr.	3	\$20.00
28. ¹ Legal Medicine	Dr. Harris	N. Grove St. Morgue	June 1	July 27	Mo. Sat.	10	\$20.00
29. Hygiene	Dr. Durgin	Medical School	July 1	July 31	Mo. We. Fr.	3	\$20.00
30. Hygiene	Dr. Harrington	Medical School	July 1	Aug. 14	Daily		\$30.00
31. Bacteriology	Dr. Ernst	Medical School	June 2	July 15	Daily		\$30.00
32. Urinary Examinations	Dr. Hills	Medical School	June 15	July 25	Daily	10	\$35.00 ⁴
33. Qualitative Analysis	Dr. Hills	Medical School	June 15	July 25	Daily	10	\$35.00 ⁴
34. ¹ Pathological Histology	Dr. Sears	Medical School	June 13 ¹	Sept. 15			\$15.00

¹ Class-membership limited.² A course is of six weeks' duration, and the class can be joined at any time.³ Women's room.⁴ Five dollars will be refunded if no apparatus is broken.

Robinson, Gilman P.	Boston.
Ruppel, Emil F.	Boston.
Stevens, Charles B., A.B. (<i>Amherst Coll.</i>) 1887,	Worcester.
Sylvester, Stephen A., M.D.	Newton Centre.
Terry, Charles C., M.D.	Fall River.
Thayer, Eugene, A.B. (<i>Amherst Coll.</i>) 1889,	Boston.
Tuttle, George H., M.D.	Cambridge.
Walker, Lewis M., M.D.	Boston.
Wheeler, Charles D., A.B. (<i>Williams Coll.</i>) 1888,	Worcester.
Whiting, G. W. W., M.D.	So. Boston.
Wilder, Raymond S., A.B. 1890,	Cambridge.
Wynne, Sidney Y.	Deerfield.

Similar courses will be given during the summer of 1892.

For particulars, address *The Secretary, Harvard Medical School, Boston, Mass.*

EXAMINATIONS FOR WOMEN.

NINETEENTH YEAR.

Examinations for Women will be held, under the direction of the Faculty of Arts and Sciences of Harvard University, in New York and Cincinnati, on Tuesday, Thursday, Friday, and Saturday, June 28 and 30 and July 1 and 2, 1892.

The studies which form the subjects of these examinations, are identical with those of the examinations for admission to Harvard College (see p. 153); the time and method of examination are the same and the same papers are used.

A certificate will be given to any candidate who in any year passes satisfactorily the examinations on any studies in the list (on which she has not previously passed) which occupy in the aggregate not less than *five hours* on the examination programme.* If the candidate fail to pass on studies occupying five hours, she will receive no certificate, and no account will be made of the examination.

A candidate who passes the examinations in accordance with the terms prescribed for admission to the Freshman Class of Harvard College, will receive a special certificate, bearing the signature of the President of the University. A candidate for this certificate may pass the whole examination at one time; or she may pass a part of it (not less than five hours) in one year, and take the remainder in some subsequent year. The examination cannot be divided into more than two parts; but a candidate who has failed at her second examination in a small number of studies may be allowed another examination in these for the purpose of making up her deficiency.

The certificate given to a candidate who passes the examinations in accordance with the terms prescribed for admission to Harvard College entitles her to admission to the regular course of instruction given in Cambridge by instructors in Harvard University, under the direction of the Society for the Collegiate Instruction of Women. It is also accepted, if presented within one year of its date, by Vassar, Wellesley, and Bryn Mawr Colleges, as the equivalent for examinations in such subjects as are covered by it.

The arrangements for the examinations are in charge of local committees. Notice of intention to take the examinations must be sent to the local secretary on or before May 1, 1892; and exact notice of the place and hour of examination will be sent to every candidate who has

* See p. 166.

complied with this requirement, on June 1, 1892. Candidates will be informed of the results of their examinations by the local secretaries about July 15.

The fee for the examination is, for the first year, *ten dollars*; for each subsequent year, *five dollars*.

Board and lodging will be provided at a moderate cost for those who need such accommodation, and young women in narrow circumstances will be aided in meeting the cost of these examinations. Applicants for aid should address one of the secretaries named below, stating their circumstances fully, the amount of help which they need, the kind of assistance which they would prefer, — whether a remission of fees, a loan, or gratuitous board and lodging during the examination, — and enclosing certificates of scholarship and character from their teachers. If an applicant is under twenty-one years of age, her application must be accompanied by the written approval of her parent or guardian.

The New York Local Committee offer for competition in 1892 two scholarships, one of three hundred dollars and one of two hundred dollars. The competition is open to all candidates passing the examinations in New York in accordance with the terms prescribed for admission to the Freshman Class of Harvard College, who may not have already appeared more than once before the examining board, and who intend to spend the following year at some college approved by the committee. Notice of intention to compete for a scholarship must be sent to the Secretary of the New York Local Committee on or before May 1, 1892.

Specimen examination-papers, and a pamphlet containing a statement of requirements, will be forwarded to any address; and any further information which may be desired will be gladly furnished by either of the local secretaries. Their addresses are:—

SECRETARY OF THE NEW YORK LOCAL COMMITTEE,

32 East Thirty-third Street, New York, N. Y.

SECRETARY OF THE CINCINNATI LOCAL COMMITTEE,

50 West Ninth Street, Cincinnati, Ohio.

In 1891, certificates of having completed the examinations were granted to

NAME.	SCHOOL.	PRINCIPAL OF SCHOOL.
Edna Holbrook Barger, <i>Newport, R. I.</i>	Brearley School, <i>New York, N. Y.</i>	Mr. J. G. Croswell.
Miriam Adeline Bytel, <i>Nazareth, Pa.</i>	Trinity School, <i>Tivoli, N. Y.</i>	Rev. J. S. Clark.
Emily Coddington, <i>New York, N. Y.</i>	Brearley School, <i>New York, N. Y.</i>	Mr. J. G. Croswell.
Grace Allan Furman, <i>Evansville, Ind.</i>	High School, <i>Evansville, Ind.</i>	Mr. Robert Spear.

THE UNIVERSITY CHAPEL.

FRANCIS GREENWOOD PEABODY, D.D., *Plummer Professor of
Christian Morals.*

LYMAN ABBOTT, D.D.

CHARLES CARROLL EVERETT, D.D.

BROOKE HERFORD, D.D.

LEIGHTON PARKS, A.M., D.B.

HENRY VAN DYKE, D.D.

} *Preachers to the University
for the year 1891-92.*

On May 10, 1886, a vote was passed by the President and Fellows "That five preachers to the University be annually appointed by the President and Fellows, with the concurrence of the Board of Overseers, who, in conjunction with the Plummer Professor of Christian Morals, shall arrange and conduct the religious services of the University." The Board of Overseers concurred in this vote on May 12, 1886.

On June 14, 1886, on the unanimous recommendation of the Preachers and the Plummer Professor, the President and Fellows voted "That the statute numbered 15, concerning religious exercises, be amended by striking out the clause, "at which the attendance of the students is required"; and on June 16 the Board of Overseers concurred in this vote. Attendance at the religious services of the University was thus, by the advice of those who conduct these services, and to the satisfaction of all concerned in them, made wholly voluntary.

These services in the University Chapel are directed by the Plummer Professor and the Preachers to the University as follows: Each conducts daily morning prayers for about three weeks in the first half-year and about three weeks in the second half-year, and each preaches on four Sunday evenings. The Preacher conducting morning prayers is in attendance every morning during his term of duty at Wadsworth House 1, and is at the immediate service of any student who may desire to consult him. This arrangement puts at the disposal of the students a greater amount of pastoral service than most ministers can give to their own parishes. On Thursday afternoons from November till May, vesper services are held in the University Chapel. These services are brief (35-40 minutes), largely musical (with full male choir—25 sopranos and altos, 16 tenors and basses), and with an address from one of the staff of Preachers. Other services on Sunday evenings are conducted by

preachers of various communions by invitation of the Board of Preachers. The following preachers thus conducted services during the year 1890-91:—

October 12, 1890. — Rev. **NEWMAN SMYTH, D.D.**, of New Haven.

November 2. — Rev. Professor **T. F. WRIGHT**, Dean of the New Church Theological School, Cambridge.

November 30. — Rev. **A. P. PEABODY, D.D.**, of Cambridge.

December 14. — Rev. **LEIGHTON PARKS**, of Boston.

December 21. — Rev. Professor **W. E. HUNTINGTON, D.D.**, of Boston University.

January 18, 1891. — Rev. **PHILIP S. MOXOM**, of Boston.

January 25. — Rev. Professor **W. J. TUCKER, D.D.**, of Andover.

February 1. — Rev. **EDWARD EVERETT HALE, D.D.**, of Boston.

February 8. — Rev. **MINOT J. SAVAGE**, of Boston.

March 8. — Rev. **D. N. BEACH**, of Cambridge.

April 26. — Rev. **W. C. RAINSFORD, D.D.**, of New York.

May 3. — Rev. **GEORGE A. GORDON**, of Boston.

May 17. — Rev. **FREDERICK PALMER**, of Andover.

During the year 1890-91 a special College Conference was held on March 24, 1891, at which President Eliot spoke on Harvard and the West. Most of the evenings hitherto occupied by the College Conferences were given to a series of meetings devoted to "An Introduction to the Study of the Bible." It was not proposed to attempt a complete or systematic course of study, but to approach the subject from many different sides to contribute to a general appreciation of the Bible in its literary, ethical and religious aspects, and to encourage and suggest private reading. These meetings were directed by officers of the University; they gave opportunities for questions and conversations, and were open to members of the University only.

The programme was as follows:—

I. GENERAL INTRODUCTION.

October 14. — **FRANCIS G. PEABODY**, *Plummer Professor of Christian Morals*. The purpose, scope, and method of the Course.

October 21. — **GEORGE L. KITTREDGE**, *Assistant Professor of English*. The literary aspect of the English Bible.

October 28. — **CRAWFORD HOWELL TOY**, *Hancock Professor of Hebrew*. The Old Testament in the light of other Semitic literature.

November 4. — JOSEPH HENRY THAYER, *Bussey Professor of New Testament Criticism*. The Revised New Testament of 1881.

November 11. — LYMAN ABBOTT, *Preacher to the University*. The Bible in its relation to modern problems.

November 18. — CHARLES CARROLL EVERETT, *Dean of the Divinity Faculty*. The Bible and the sacred books of the East.

November 25, December 2. — DAVID GORDON LYON, *Hollis Professor of Divinity*. The Old Testament in the light of Hebrew history.

December 9, 16. — JOSEPH HENRY THAYER, *Bussey Professor of New Testament Criticism*. New Testament Times.

II. STUDIES IN THE OLD TESTAMENT.

February 17, 24. — Professor TOX. The development of the Hebrew religion.

March 3. — Professor LYON. The Hebrew Prophet.

March 10. — Professor LYON. The Prophet Isaiah.

March 17. — ALBERT BUSHNELL HART, *Assistant Professor of History*. The Old Testament in the light of Universal History.

III. STUDIES IN THE NEW TESTAMENT.

April 14. — WILLIAM W. GOODWIN, *Eliot Professor of Greek*: Paul at Athens.

April 21, 28. — GEORGE HERBERT PALMER, *Alford Professor of Philosophy*. Parabolic teaching and the teachings of Christ.

May 5, 12. — JOHN HENRY WRIGHT, *Professor of Greek*. The Speeches of Paul.

The Board of Preachers will be glad to have their attention called to any cases of special need where they may be useful, or to any better methods of serving the moral and religious interests of the University. General correspondence for the current academic year should be addressed to Professor D. G. LYON, who represents the absent Plummer Professor, though any Preacher will gladly consider such questions as may be more appropriately addressed to him.

In addition to the opportunities for worship in Appleton Chapel, seats are provided for students, at the expense of the College, in the churches of the different denominations in Cambridge. St. John's Memorial Chapel of the Episcopal Theological School having been erected for the especial accommodation of Harvard students is free to them.

THE UNIVERSITY LIBRARY.



COUNCIL.

- CHARLES W. ELIOT, LL.D., *President.*
HENRY W. TORREY, LL.D., *Professor of Ancient and Modern History Emeritus.*
FRANCIS J. CHILD, LL.D., *Professor of English.*
CHARLES ELIOT NORTON, LL.D., *Professor of the History of Art.*
CHARLES F. DUNBAR, LL.D., *Professor of Political Economy.*
JUSTIN WINSOR, LL.D., *Librarian of the University.*
CRAWFORD H. TOY, LL.D., *Professor of Hebrew.*
GEORGE L. GOODALE, M.D., LL.D., *Professor of Botany.*

COLLEGE LIBRARY.

- JUSTIN WINSOR, LL.D., *Librarian.*
WILLIAM H. TILLINGHAST, A.B., *Assistant Librarian.*
WILLIAM C. LANE, A.B., *Assistant Librarian.*
THOMAS J. KIERNAN, *Superintendent of Circulation.*
HENRY C. BADGER, *Curator of Maps.*
JOHN H. STORER, LL.B., *Curator of Coins.*

DEPARTMENTAL LIBRARIES.

The care of the several departmental, laboratory, and class-room libraries devolves upon some member of the faculties of the respective departments, when regular librarians have not been appointed.

- NATHANIEL S. SHALER, S.D., *Professor, and Dean of the Lawrence Scientific School.*
FRANCIS H. STORER, S.B., *Professor, and Dean of the Bussey Institution.*
EDWARD C. PICKERING, LL.D., *Professor, and Director of the Astronomical Observatory.*
SERENO WATSON, PH.D., *Curator of the Herbarium, Botanic Garden.*
FREDERICK W. PUTNAM, A.M., *Professor, and Curator of the Peabody Museum.*
ROBERT S. MORISON, A.M., D.B., *Librarian of the Divinity School.*
JOHN H. ARNOLD, *Librarian of the Law School.*
GEORGE A. ARNOLD, *Assistant in the Law School Library.*
FRANCES M. SLACK, *Librarian of the Zoölogical Museum.*

LABORATORY LIBRARIES.

- JOHN TROWBRIDGE, S.D., *Professor, in charge of the Physical Library.*
 JOSIAH P. COOKE, LL.D., *Professor, in charge of the Chemical Library.*
 GEORGE L. GOODALE, M.D., LL.D., *Professor, in charge of the Botanical Library.*
 EDWARD L. MARK, PH.D., *Professor, in charge of the Zoölogical Library.*
 NATHANIEL S. SHALER, S.D., *Professor, in charge of the Geological Library.*
 WILLIAM M. DAVIS, S.B., M.E., *Professor, in charge of the Physical Geography Library.*
 OLIVER W. HUNTINGTON, PH.D., *Instructor, in charge of the Mineralogical Library.*

CLASS-ROOM LIBRARIES.

- CHARLES R. LANMAN, PH.D., *Professor, in charge of the Sanskrit Library.*
 ALBERT A. HOWARD, PH.D., *Tutor, in charge of the Classical Library.*
 ADAMS S. HILL, A.B., LL.B., *Professor, in charge of the English Library.*
 KUNO FRANCKE, PH.D., *Assistant Professor, in charge of the German Library.*
 PHILIPPE B. MARCOU, PH.D., *Assistant Professor, in charge of the French Library.*
 WILLIAM JAMES, M.D., *Professor, in charge of the Philosophical Library.*
 FRANCIS G. PEABODY, D.D., *Professor, in charge of the Social Questions Library.*
 FRANK W. TAUSSIG, LL.B., PH.D., *Assistant Professor, in charge of the Political Economy Library.*
 ALBERT B. HART, PH.D., *Assistant Professor, in charge of the United States History Library.*
 JOHN K. PAINE, A.M., MUS.D., *Professor, in charge of the Library of Music.*
 WILLIAM E. BYERLY, PH.D., *Professor, in charge of the Mathematical Library.*
 SILAS M. MACVANE, A.B., *Professor, in charge of the History Library.*
 CRAWFORD H. TOY, LL.D., *Professor, in charge of the Semitic Library.*

The College Library in Gore Hall is for the use of the whole University. All students who have given bonds may take out books, three volumes at a time, and may keep them one month. Books, reserved at the instance of officers of instruction, as collateral reading for their courses, are

shelved in separate alcoves, with tables for consultation, and can be taken out only near the close of library hours, and must be returned upon the reopening of the Library. Students who leave Cambridge for an absence of more than one week must first return all borrowed books.

The College Library is open every week-day, except Thanksgiving day, Christmas day, the Twenty-second of February, Fast day, Memorial day, and the Fourth of July, from 9 A.M. till 5 P.M., or till sunset when that is before 5; in vacation no books are to be taken out after 2 P.M.; but the library can be used for consultation, except on Saturdays, after 2 o'clock P.M. On Sundays during term time the Library is open, for readers only, after 1 o'clock P.M.

The College Library may be consulted by all persons, whether connected with the University or not. The privilege of borrowing books is also granted, under special regulations, to persons not connected with the University. *Blanks for making applications for such use may be had of the Librarian.*

Persons entitled to use the College Library can have access to the departmental libraries, for consultation, by applying to the Superintendent of Circulation at Gore Hall; but such libraries are primarily for the special use of the schools and departments, and are placed in the buildings or rooms belonging to such schools and departments.

The several libraries now contain about the following numbers of bound volumes:—

Gore Hall	292,000
Lawrence Scientific School	2,700
Bussey Institution (Jamaica Plain)	6,150
Phillips Library (Observatory)	7,000
Botanic Garden (Herbarium Library)	5,700
Law School	26,500
Divinity School	23,200
Medical School (Boston)	2,000
Museum of Comparative Zoölogy	22,000*
Peabody Museum	1,200
Seven laboratory and thirteen class-room libraries,	7,520
	<hr/>
	395,970

The collection of pamphlets and maps in the College Library is very large, and is estimated to be equal in number to the collection of bound volumes. The departmental libraries have also considerable numbers of pamphlet monographs on subjects connected with their specialties; and these are not included in the count of volumes. The College Library has

* This includes only a small part of the Whitney Collection of Geology and Geography, not yet wholly enumerated.

also a collection of coins. In the Fine Arts Department (Sever Hall), there is a collection of about 2000 photographs.

The catalogue of the Gore Hall Collection, including pamphlets, is on cards, accessible to the public, and consists of two parts, the one arranged by authors, the other by subjects. Printed strips of titles added to all the libraries are issued two or three times a week; and they are posted in Gore Hall and in the departmental libraries. They are also included in bound volumes of slips, kept in the Reading Room. Three times during the academic year, the titles of then current books are gathered in the BULLETIN OF THE UNIVERSITY, and issued with notes on the authorities in different departments of knowledge. From such supplements, another series of publications is made up, as "Bibliographical Contributions," which are in course of publication. Forty-three of such publications have already been issued. More extensive bibliographical works constitute another series, "Special Publications," of which Scudder's "Catalogue of Scientific Serials" (1633-1876, 8vo, pp. 370) makes No. 1, published in 1879, and "An Index to the Subject Catalogue of Harvard College Library" makes No. 2, published in 1891. There has also been issued a Catalogue of the Gray Collection of Engravings (4to, 1869); but this collection has, for the present, been transferred from the Library to the Museum of Fine Arts in Boston.

THE CHEMICAL LABORATORY

AND

MINERALOGICAL MUSEUM.

OFFICERS.

JOSIAH P. COOKE, LL.D., *Director.*
CHARLES L. JACKSON, A.M., *Professor.*
HENRY B. HILL, A.M., *Professor.*
OLIVER W. HUNTINGTON, PH.D., *Instructor.*
JOSEPH TORREY, JR., A.M., *Instructor.*
THEODORE W. RICHARDS, PH.D., *Instructor.*
HARWOOD HUNTINGTON, A.B., *Assistant in Descriptive Chemistry.*
GEORGE J. O. PFEIFFER, PH.D., *Assistant in Organic Chemistry.*
WALKER L. JENNINGS, A.M., *Assistant in Qualitative Analysis.*
HENRY N. HERMAN, *Assistant in Descriptive Chemistry.*
THOMAS H. CURRIE, A.B., *Assistant in Mineralogy.*

The Chemical Department occupies the whole of Boylston Hall and also the mineralogical section of the University Museum.

Boylston Hall was erected in 1857 with a fund bequeathed by the late WARD NICHOLAS BOYLSTON, which was subsequently largely increased by subscription. The hall was enlarged by the addition of a third story in 1870, and the accommodations were still further extended in 1891. Besides several private laboratories and preparation rooms, the building contains six large laboratories for students. A room on the upper story with one hundred desks is especially devoted to qualitative and descriptive work. On the lower story a laboratory with thirty-six places is wholly reserved for quantitative work, and connected with it is a weighing room, a furnace room, a machine shop, and a room of nearly constant temperature for gas analysis and thermo-chemistry. On the same story is a laboratory for organic work with twelve places, and with contiguous rooms for organic analysis, distillations, and similar processes. In addition there is a laboratory, also with twelve desks, especially fitted up for advanced work in inorganic chemistry; and further a large laboratory with sixty-four places for the most elementary class. On the third story a large

organic laboratory is now being fitted up which it is expected will be ready early in 1892. On the second story are two large lecture-rooms, a reading-room, departmental library, and a chemical museum.

The mineralogical section of the University Museum was built in 1890-91 with a fund of about \$50,000, raised wholly by subscription. To this building has been transferred the large and valuable mineralogical collection of the University, including an extensive collection of meteoric specimens, which is open to the public on week-days from 9 to 5 o'clock. In addition the new building contains a mineralogical laboratory provided with special collections for students' use, a mineralogical lecture-room, a laboratory for mineral analysis, and an advanced laboratory well furnished with all the requisites for work in determinative and optical crystallography.

All the courses of instruction in Chemistry to students of Harvard College, of the Lawrence Scientific School, and of the Graduate School, are given in Boylston Hall; all those in Mineralogy at the University Museum. The laboratories in both buildings are open to special students who desire to follow, under the instruction of the Director and his associates, any line of chemical or mineralogical investigation. The facilities for research are unusually great.

JEFFERSON PHYSICAL LABORATORY.

JOHN TROWBRIDGE, S.D., *Director.*
EDWIN H. HALL, Ph.D., *Assistant Professor.*
BENJAMIN O. PEIRCE, Ph.D., *Professor.*
WALLACE C. SABINE, A.M., *Instructor.*
CHARLES A. RICH, A.B., *Assistant.*
EDGAR BUCKINGHAM, A.B., *Assistant.*
G. A. CHAMBERLIN, A.B., *Ant.*

In 1881 Mr. T. JEFFERSON COOLIDGE gave \$115,000 to the College for a new physical laboratory, on condition that \$75,000 should be raised by subscription and the income appropriated to its support. The building was finished in Oct., 1884, and is called the Jefferson Physical Laboratory. All the instruction in Physics, by recitations, lectures, and experimental work, to students of Harvard College, of the Lawrence Scientific School, and of the Graduate School, is given in this building, which accommodates the various physical cabinets. The building is four stories high, if the basement is included. In the eastern wing the whole height is divided between a large lecture-room below, and the great laboratory above. In the central and western portions of the building are three recitation-rooms for sections of forty or less; but the principal part of the central and western portions is broken up into a large number of small rooms, where the professors, assistants, and advanced students can pursue their separate investigations, and be secured against intrusion, or any disturbance of their instruments. In the basement and first story, stone tables, each supported by its own column of masonry, and without contact with the floors, furnish firm support for these instruments. In the centre of the western wing a large rectangular tower stands on an independent foundation, and is isolated from the surrounding rooms. It is designed for investigations which demand extraordinary stability, or a great height: as in Foucault's pendulum-experiment. Small openings have been left in the brick partitions which divide the length of the building, by means of which a long path is available for such experiments as that on the velocity of light. In the western wing, iron nails and pipes which would disturb delicate experiments in magnetism, have been carefully excluded. In the bottom of the tower, a small under-

ground room has been excavated for experiments which require a constant temperature.

A room is devoted to the accurate measurement of electrical resistances and is provided with standard coils.

A comparator for the measurement and comparison of standards of length occupies a room in the basement of the laboratory.

The photographic room adjoins a large space on the fourth floor, which contains the rooms especially arranged for spectrum analysis. There are four principal laboratory rooms. One of these is 40x60 feet and is devoted to elementary laboratory instruction. A time wire from the Observatory is led to this room. The laboratory for advanced instruction in electricity is in the basement and is provided with instruments of the latest type. A machine room is supplied with power from a gas engine. In this room is a milling machine, a large machine lathe, a smaller lathe, and other mechanical appliances for designing and making apparatus. Power can also be obtained from a twenty-five-horse-power engine which is placed in a house outside of the laboratory. This house also contains the dynamo machines.

THE UNIVERSITY MUSEUM.

The University Museum consists of the Museum of Comparative Zoölogy and Natural History Laboratories, the Botanical Museum and Laboratories, and the Mineralogical Cabinet and Laboratories.

The entrance to the Museum of Comparative Zoölogy is from Divinity Avenue. The Natural History Laboratories, the Botanical and Mineralogical Departments are entered from Oxford Street.

The Museum of Comparative Zoölogy consists of the North wing of the University quadrangle (60 x 200 feet). The Natural History Laboratories are in the N. W. corner piece of the same quadrangle (95 x 75), and in the adjoining section of the central part of the University Museum (60 x 40) of the Oxford Street façade.

The Botanical Museum and Laboratories (see p. 418) occupy the central section of the University Museum (60 x 60). The Mineralogical Collection and Laboratories (see p. 409) occupy the Southern section of the Oxford Street façade (60 x 60).

The S. W. corner piece will contain large Lecture Rooms and Laboratories for the Natural History Departments, and its Exhibition Rooms will connect the Oxford Street façade of the Museum with the Peabody Museum (see p. 415), which, when completed, will form the South wing of the Museum building.

THE MUSEUM OF COMPARATIVE ZOÖLOGY

AND

LABORATORIES OF NATURAL HISTORY.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
ALEXANDER AGASSIZ, LL.D., *Curator.*
JOSIAH D. WHITNEY, LL.D., *Secretary.*
GEORGE L. GOODALE, M.D., LL.D.
HENRY P. WALCOTT, A.M., M.D.

OFFICERS.

- ALEXANDER AGASSIZ, LL.D., *Curator*.
JOSIAH D. WHITNEY, LL.D., *Sturgis Hooper Professor of Geology*.
HERMANN A. HAGEN, M.D., PH.D., S.D., *Professor of Entomology*.
NATHANIEL S. SHALER, S.D., *Professor of Geology*.
EDWARD L. MARK, PH.D., *Hersey Professor of Anatomy*.
WILLIAM M. DAVIS, S.B., M.E., *Professor of Physical Geography*.
J. ELIOT WOLFF, PH.D., *Instructor in Petrography*.
THADDEUS W. HARRIS, PH.D., *Instructor in Geology*.
W. M. WOODWORTH, *Instructor in Microscopic Anatomy*.
C. B. DAVENPORT, S.B., *Instructor in Zoölogy*.
WALTER FAXON, S.D., *Assistant in Zoölogy*.
D. D. SLADE, M.D., *Assistant in Osteology*.
ALPHEUS HYATT, S.B., *Assistant in Palaeontology*.
SAMUEL GARMAN, *Assistant in Herpetology and Ichthyology*.
WILLIAM BREWSTER, *Assistant in Ornithology and Mammalogy*.
FRANCES M. SLACK, *Librarian*.
H. M. KELLY, *Assistant in the Zoölogical Laboratories*.
R. DE C. WARD, *Assistant in the Geographical Laboratory*.
B. E. DODGE, *Assistant in the Geological Laboratories*.
H. B. KUMMEL, *Assistant in the Geological Laboratories*.
L. G. WESTGATE, *Assistant in the Geological Laboratories*.
J. B. WOODWORTH, *Assistant in the Geological Laboratories*.
MAGNUS WESTERGREN, *Artist*.

The Museum is under the management of a Faculty, who nominate the Curator, the Sturgis Hooper Professor, and appoint the Assistants.

The Curator is charged with the direction of the scientific and educational interests of the Museum, as well as of its relations to the public. The Natural History collections of Harvard College, with the exception of the Herbarium, are placed in the University Museum building.

The collections, so far as arranged, are open to visitors every weekday, from 9 A.M. till 5 P.M., and between May 1 and November 1, on Sunday, from 1 P.M. till 5 P.M.

The Exhibition Rooms open to the public are the Synoptic Room, the rooms containing the systematic collections of Mammals, Birds, Reptiles, Fishes, Mollusks, Crustacea and Insects, Radiates, Sponges and Protozoa, also the rooms devoted to the faunal collections of Europe, of North and South America, the Indo-Asiatic, the African, the Australian Realms, and the Atlantic and Pacific Rooms and the Rooms devoted to the Quaternary and Tertiary fossils. Entrance on the south side of the North wing. The publications of the Museum consist of an annual Report.

(1861-1891) of an octavo Bulletin (vols. i.-xxi.) and of Memoirs in quarto (vols. i.-xvi.).

The Bulletin and Memoirs are devoted to the publication of original work by the professors and assistants of the Museum, of investigations carried on by students and others in the different laboratories of Natural History, and of work by specialists based upon the Museum collections.

The Library of the Museum is on the second floor of the N. W. corner of the Museum. It is intended for the use of the Professors and Students of the Natural History Departments. The Library contains over 20,000 volumes, exclusive of pamphlets. The Reading room is open from 9 to 1 and from 2 to 5.

LABORATORIES

OF ZOÖLOGY, PALAEONTOLOGY, ENTOMOLOGY, GEOLOGY, PETROGRAPHY, AND PHYSICAL GEOGRAPHY.

The courses of instruction in Geology, Physical Geography and Meteorology, Petrography, Palaeontology, Zoölogy, Biology, Microscopical Anatomy, Osteology, Embryology, and Entomology, are given in the building devoted to the Natural History Laboratories (entrance on Oxford Street) connected with that of the Museum.

Courses of instruction in Natural History numbered 1 and 20, by Professor Davis, are given in the Geographical Laboratories. Courses 4, 8, 14, 15, 16, 17, 18, and 24, by Professors Whitney, Shaler, Davis, and Dr. Harris, are given in the Geological and Palaeontological Laboratories. Courses 2, 5, 6, 9, 10, and 13, by Professor Mark and Mr. Davenport are given in the Zoölogical and Embryological Laboratories, and by Dr. Hagen* in the Entomological Department. Courses 22 and 25 are given by Mr. Wolff in the Petrographic Laboratory. Course 23 is given by Dr. Slade in the Osteological Department.

The Instructors and Assistants of the Museum also receive Special Students in their respective departments.

The income of the Humboldt Fund (about \$400) is applied, with the advice of the Faculty of the Museum, towards the maintenance of one or more persons engaged in study at the Museum, at the Newport Marine Laboratory, or at the Wood's Holl Fish Commission Station.

Several tables of the Newport Marine Zoölogical Laboratory are reserved for advanced students. Two of the tables of the U. S. Fish Commission at Wood's Holl are also at the disposal of the Director of the Museum. Applications for these tables should be made to the Curator of the Museum before the first of May. Candidates should specify their qualifications and the work they intend to carry out.

*Dr. Hagen's course is omitted this year.

THE PEABODY MUSEUM
OF
AMERICAN ARCHAEOLOGY AND ETHNOLOGY.

OCTOBER 8, 1866.

TRUSTEES.

ROBERT CHARLES WINTHROP, LL.D., *Chairman.*
HENRY WHEATLAND, A.M., M.D., *Secretary.*
FRANCIS CABOT LOWELL, A.B., *Treasurer.*
STEPHEN SALISBURY, A.M., LL.B.
SAMUEL HUBBARD SCUDDER, A.M., S.B.
JOSEPH LOVERING, LL.D.
GEORGE LINCOLN GOODALE, M.D., LL.D.

OFFICERS AND ASSISTANTS.

FREDERIC WARD PUTNAM, A.M., *Curator, and Peabody Professor
of American Archaeology and Ethnology.*
LUCIEN CARR, A.M., *Assistant Curator.*
EDWARD E. CHICK, *Assistant in Charge of the Building.*
JANE SMITH, *Assistant.*
FRANCES H. MEAD, *Assistant.*
MARSHALL H. SAVILLE, *Assistant (Holder of the Fellowship of
the Visiting Committee).*
ALICE C. FLETCHER, *Assistant (Holder of the Thaw Fellowship).*
JOHN G. OWENS, *(Holder of the Hemenway Fellowship).*
F. H. GERRODETTE, *Student-Assistant.*

The entrance to the Museum is on Divinity Avenue. The present building is one-half of the contemplated structure which will form the southern wing of the University Museum. The Museum is in charge of the Curator and is open to the public, under proper restrictions, from 9 A.M. till 5 P.M. throughout the year, Sundays and holidays excepted. The arrangement of the collections is intended to facilitate research in American and Comparative Archaeology and Ethnology, and in Anthropology. One of the galleries is temporarily given up to the new Semitic

Museum of the University. The library is open to members of the University. The publications of the Museum consist of Annual Reports and Special Papers, which are for sale. A course of study in American Archaeology and Ethnology, and in Anthropology is offered for students in the Graduate School, by the Peabody Professor, who also receives private students.

The Serpent Mound Park in Adams County, Ohio, containing the great Serpent Mound, is the property of the Peabody Museum. The park has been laid out as an appropriate surrounding to the important prehistoric monument it contains and is free to the public under certain restrictions.

THE SEMITIC MUSEUM.

The Semitic Museum was founded in 1889 by JACOB H. SCHIFF, Esq. It is in charge of the Curator, Professor D. G. Lyon, occupies temporarily a gallery in the new section of the Peabody Museum building, and is open to students and the public daily, except Sundays and holidays, from 9 A.M. till 5 P.M. The collection contains manuscripts, coins, photographs, original Babylonian-Assyrian seals and clay tablets, and a large number of casts from the finest of the Semitic monuments in the European museums. The object of the Museum is to gather such materials as shall illustrate the Semitic instruction given in the University, provide students and other specialists with the means of original research, and give to the general visitor as complete a view as possible of the products of Semitic art and archaeology. The Semitic Library now occupies room 7 in Sever Hall, but it is hoped to unite it in the course of time with the Museum in one building.

BOTANIC GARDEN AND HERBARIUM.

SERENO WATSON, PH.D., *Curator of the Herbarium.*

GEORGE L. GOODALE, M.D., LL.D., *Fisher Professor of Natural History, and Director of the Botanic Garden.*

WILLIAM G. FARLOW, M.D., *Professor of Cryptogamic Botany.*

CHARLES R. BARNES, PH.D., *Assistant.*

WILLIAM F. GANONG, A.M., *Instructor in Botany.*

BENJAMIN L. ROBINSON, PH.D., *Assistant.*

GEORGE J. PEIRCE, S.B., *Assistant.*

The Botanic Garden occupies about seven acres of land at the corner of Linnaean and Garden Streets, Cambridge. More than five thousand species of flowering plants are cultivated for educational and scientific purposes. The grounds and greenhouses are open to the public daily, from sunrise to sunset.

To students properly qualified, specimens of flowers and living plants are freely furnished, and facilities are offered for prosecuting investigations. Under certain restrictions students are supplied with all necessary appliances for conducting experiments in vegetable physiology.

The Herbarium of the University, now numbering more than two hundred thousand specimens, including the types described in the Synoptical Flora of North America, is contained in a building at the Botanic Garden. To graduate students properly prepared, it is open for consultation under the direction of the Curator.

The Botanical Library of the Herbarium, containing over nine thousand volumes and pamphlets, is accessible for consultation to all advanced students of Botany.

The botanical sections of the University Museum (see p. 412), contain (1) the laboratories of Phaenogamic and Cryptogamic Botany, (2) the extensive Herbarium of Cryptogamic Botany, (3) laboratory library and herbarium, (4) the Botanical Museum, comprising illustrations of economic botany, as yet not accessible to the public, and the Ware collection of Blaschka glass models of plants.

THE ASTRONOMICAL OBSERVATORY.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*

EDWARD C. PICKERING, LL.D., *Paine Professor of Practical Astronomy, and Director.*

ARTHUR SEARLE, A.M., *Phillips Professor of Astronomy.*

WILLIAM H. PICKERING, S.B., *Assistant Professor of Astronomy.*

OLIVER CLINTON WENDELL, A.M., *Assistant.*

J. RAYNER EDMANDS, S.B., *Assistant.*

JOHN RITCHIE, JR., *Assistant.*

A. LAWRENCE ROTCH, A.M., *Assistant in Meteorology.*

OLON I. BAILEY, A.M., *Assistant.*

This Observatory was founded for the purpose of scientific research in all departments of Astronomy. To fulfil this purpose, it has been equipped with instruments of the first class and with a library of over 14,000 works (of which about half are pamphlets), principally relating to astronomical subjects. It has likewise been provided with funds for the maintenance and increase of its equipment and library, and for the payment of its current expenses, special provision having also been made for the publication of its observations.

One of the principal departments of the Observatory is the Henry Draper Memorial, maintained by Mrs. Draper to permit the study on a large scale of the spectra and other physical properties of the fixed stars.

The Boyden Fund furnishes the means of establishing an observing station at a considerable elevation, to avoid the serious difficulties in observation which arise from atmospheric causes. After preliminary experiments on mountains in Colorado and California, a station was established in the Andes, near Chosica, Peru, under the direction of Mr. BAILEY. This has been transferred to a site about 8000 feet high, near Arequipa, Peru, where observations are now in progress under the direction of Professor W. H. PICKERING.

In coöperation with the Blue Hill Meteorological Observatory, under the direction of Mr. ROTCH, meteorological observations are maintained, and the results published in the *Annals of the Observatory*.

In coöperation with the New England Meteorological Society, observa-

tions are made at nearly two hundred stations distributed over New England, and the results are published in the *Annals*.

Time signals are distributed from the Observatory over a large part of New England. They are sent to the cities of Boston and Cambridge, to the principal railroads having termini in Boston, and to the principal jewellers and watchmakers. A time ball is automatically dropped in Boston by these signals, and they are also used to strike the fire alarm bells at noon in Boston and Cambridge. This portion of the work of the Observatory is in charge of Mr. EDMANDS.

By the mutual consent of astronomers, the Kiel and Harvard Observatories have been selected as the centres for the prompt announcement of astronomical discoveries. For example, when a comet is discovered in America its position is telegraphed to this Observatory, from here to Kiel, and thence to all the principal observatories of Europe. This work is under the direction of Mr. RITCHIE.

Forty assistants take part in the work of the Observatory. The results obtained are published in a series of *Annals*, and now fill nearly thirty quarto volumes. The preparation of these volumes occupies a large part of the force at the Observatory in Cambridge. Besides this labor, a large amount of observation is done there, several instruments being kept in constant use. The largest of these are the fifteen-inch and six-inch equatorial telescopes, the eight-inch transit circle, the eleven-inch Draper photographic telescope, the eight-inch photographic telescope, and the meridian photometer.

Instruction in astronomy is not given at the Observatory, either by lectures or recitations. Facilities are freely offered to astronomers for making use of the library, buildings, grounds, and instruments of the Observatory, so far as this can be done without interfering with regular work. Similar opportunities are sometimes offered to special students in astronomy, but the constant employment of the principal instruments greatly limits the use that can be made of them for this purpose. Such students may apply for admission to the Director, with whom the fees for the privileges offered may be agreed upon. In some cases a part or the whole of the fees may be remitted in consideration of services rendered in computation.

THE ARNOLD ARBORETUM.

CHARLES S. SARGENT, *Arnold Professor of Arboriculture, Director.*
CHARLES E. FAXON, *Assistant, in charge of Herbarium and Museum.*
JACKSON DAWSON, *Superintendent.*

The Arnold Arboretum was founded for the purpose of scientific research and experiment in Arboriculture, Forestry, and Dendrology, and as a Museum of trees and shrubs suited to the climate of Massachusetts. The Arboretum occupies a portion of the Bussey farm in West Roxbury, 160 acres in extent, and under a special arrangement with the City of Boston, is open to the public every day in the year from sunrise to sunset. The living collections are supplemented by an Herbarium, Museum, and Library. These occupy temporarily the "Dwight House," at the corner of Warren and Cottage Streets in Brookline, until a suitable Library and Museum building can be erected on the Arboretum grounds.

Any one properly qualified to pursue the study of practical arboriculture or forestry may be admitted to the Arboretum as a student. Such students will be permitted to take part in the work carried on in the Arboretum as well as to make use of its Library. They will also receive from the officers of the Arboretum such assistance and advice in the study of any branch of Arboriculture or Dendrology as can be rendered without interference with current work. In order to study with advantage in the Arboretum, the student should already possess such a degree of botanical knowledge as is implied in a thorough acquaintance with "Gray's Botanical Text Book," or any equivalent work. He must have some knowledge of horticultural methods and practice, and should be familiar with the native trees at least of the New England States.

Application for admission may be made to the Director, with whom the fees for instruction may be agreed upon. Fees may be remitted in consideration of services performed.

UNIVERSITY FACILITIES

FOR

EXERCISE, PHYSICAL TRAINING, AND ATHLETIC SPORTS.

THE HEMENWAY GYMNASIUM.

DUDLEY ALLEN SARGENT, A.M., M.D., *Director.*

JAMES GRAY LATHROP, *Instructor.*

LEWIS HURLBUTT BETTS, *Recorder.*

The gymnasium, named in honor of AUGUSTUS HEMENWAY of Boston, who gave it to the University, is a handsome and spacious structure, built and equipped with the utmost thoroughness. It is furnished with the best patterns of ordinary gymnastic apparatus, and with many new appliances designed to develop the different parts of the body, and so constructed that they can be adjusted to the strength of the strong or to the weakness of the weak.

The Gymnasium is open to all students of the University on week days from 11 A.M. until 1 P.M., and from 3 until 5.30, and from 8 until 10 P.M., except on Saturdays, when it is closed at 6 o'clock.

The attendance is voluntary, and the system adopted is one designed to meet the special wants of each individual. Realizing the great diversity in age, size, and strength, as well as in health, of the students who attend the University, the Director makes no attempt to group them into classes which pursue the same course of exercises.

Upon entering the University, each student is entitled to an examination by the Director, in which his physical proportions are measured, his strength tested, his heart and lungs examined, and information is solicited concerning his general health and inherited tendencies. From the data thus procured, a special order of appropriate exercises is made out for each student, with specifications of the movements and apparatus which he may best use. After working on this prescription for three or six months, the student is entitled to another examination, by which the results of his work are ascertained, and the Director enabled to make a further prescription for his individual case.

A course of informal lectures is given by the Director, in which the theories and principles of physical training are practically illustrated.

COMMITTEE ON THE REGULATION OF ATHLETIC SPORTS.

FACULTY MEMBERS.

JOHN WILLIAMS WHITE, Ph.D., *Professor of Greek.*
JAMES BARR AMES, A.M., LL.B., *Professor of Law.*
GEORGE A. BARTLETT, *Associate Professor of German.*

GRADUATE MEMBERS.

MAURICE H. RICHARDSON, M.D.
WILLIAM HOOPER, A.B.
GEORGE B. MORISON, A.B.

UNDERGRADUATE MEMBERS.

NEAL RANTOUL, *Class of 1892.*
LOUIS A. FROTHINGHAM, *Class of 1893.*
THOMAS E. SHERWIN, *Class of 1894.*

OFFICERS.

JOHN WILLIAMS WHITE, *Chairman.*
THOMAS E. SHERWIN, *Secretary.*
WILLIAM HOOPER, *Graduate Treasurer.*

The President and Fellows established the Committee on the Regulation of Athletic Sports by the following vote, passed October 15, 1888, to which the Overseers consented October 17, 1888:—

“*Voted*, That the following be adopted as one of the standing rules and orders of the President and Fellows and the Board of Overseers:—

“A Committee for the Regulation of Athletic Sports shall hereafter be annually appointed and chosen as follows: three members of the College Faculty, and three graduates of the College—these six to be appointed by the Corporation with the consent of the Overseers; and also three undergraduates to be chosen during the first week of the College year by the majority vote of the following students: the Presidents of the Senior, Junior and Sophomore classes, and a representative from each of the following athletic organizations: the Boat Club, the Cricket Club, and the Athletic, Base-ball, Foot-ball, Lacrosse, and Tennis Associations, who shall be called together for the purpose of making this choice by the President of the University.

"This Committee shall have entire supervision and control of all athletic exercises within and without the precincts of the University, subject to the authority of the Faculty of the College, as defined by the Statutes."

Under the authority thus conferred the Committee exercises a general supervision over the grounds and buildings devoted by the University to athletic sports and exercise; over the times and places of athletic contests; and over the physical condition of those engaged in them. The regulations framed by the Committee forbid the employment of unauthorized persons as trainers, and require intercollegiate and other contests to be held at such times and places as will cause least interference with study. No person is permitted to take part in athletic contests without a physical examination by the Director of the Gymnasium, and his permission so to do. No person who is not a student of some department of the University in full and regular standing is allowed to take part in any athletic contest or exhibition. The Committee chooses its own officers, and appoints a Graduate Treasurer, who exercises supervision over the accounts of all athletic organizations using University grounds or buildings. The Committee makes a report annually to the President of the University.

ATHLETIC BUILDINGS.

Besides the Gymnasium, three other buildings are held, either by the University or by trustees, for the exclusive use of students of the University.

By the gift of Henry Astor Carey, Esq., a substantial brick building was erected in 1889-90 on Holmes field for the use of members of the principal teams. It has a floor area of 7848 square feet.

The University Boat House, situated on Charles River, about half a mile from the College, is used principally by regular crews. It has a floor space of 6893 square feet.

By the gift of George W. Weld, Esq., a second boat house was erected in 1889-90 for the use chiefly of students not rowing on regular crews. It is situated about one third of a mile from the College, and has lockers and boat-storage sufficient for the use of 300 students.

PLAY-GROUNDS.

For out-door exercise, the University and the students themselves have provided four grounds. Holmes Field, adjacent to the Gymnasium and Carey Building, is about 450 feet by 600 feet, and has an unencumbered area of about five acres. The students have provided permanent seats for

more than 5000 persons, and have laid down around the field a quarter mile running track.

Jarvis Field, a few hundred feet from Holmes Field, is 330 feet by 670 feet, or about five acres in area, and has permanent seats for 2315 persons.

Norton Field, of seven acres, is held on lease by trustees for the benefit of students of the University. The rent is paid by the students.

The gift made to the University in 1890 by Henry L. Higginson, Esq., will shortly afford the students an additional play-ground of twenty acres. This new field, to be called the Soldier's Field, is situated just across the Charles River, and is within easy reach of the College Yard.

COMMITTEES APPOINTED BY THE BOARD OF OVERSEERS.

ON ELECTIONS. — George O. Shattuck, William G. Russell, Samuel Hoar, Edmund Wetmore, Henry H. Sprague.

ON REPORTS AND RESOLUTIONS. — Charles Francis Adams, Henry W. Putnam, Henry W. Torrey, Robert M. Morse, Moses Williams, Francis Rawle, Roger Wolcott.

ON DEPARTMENTS: —

To visit the Divinity School. — Andrew P. Peabody, Ebenezer R. Hoar, Francis B. Hornbrook, Alexander McKenzie, Charles F. Dole, George S. Hale.

To visit the Law School. — Robert M. Morse, Charles C. Beaman, Henry W. Putnam, Francis C. Lowell, Charles J. Bonaparte, James C. Carter, Louis D. Brandeis, Joseph B. Warner.

To visit the Medical and Dental Schools. — George B. Shattuck, Henry H. Sprague, Charles F. Folsom, Morrill Wyman, Algernon Coolidge, John S. Billings, William Sturgis Bigelow, George von L. Meyer.

To visit the Veterinary School. — George G. Crocker, Augustus Hemenway, Theodore A. Dodge, Albert S. Bigelow, George E. Wilder, Lamont G. Burnham, George G. Kennedy, Lucius M. Sargent, Samuel A. Hopkins.

To visit the Bussey Institution. — Leverett Saltonstall, Augustus P. Loring, James S. Russell, Francis H. Appleton, William H. Forbes, Augustus P. Gardner, Robert H. Gardiner.

To visit the Library. — John C. Ropes, Samuel A. Green, Stephen Salisbury, Phillips Brooks, Charles C. Smith, George W. Wales, Edward J. Lowell, Elihu Chauncey, Julius Dexter.

To visit the Observatory. — George O. Shattuck, T. Jefferson Coolidge, Charles R. Codman, Simon Newcomb, John C. Palfrey, Robert Treat Paine, Charles F. Choate, Frederick O. Prince, Francis H. Peabody, James B. Francis, Charles P. Bowditch, George I. Alden.

To visit the Botanic Garden and Herbarium. — Henry Lee, Frederick L. Ames, Hollis H. Hunnewell, Francis A. Osborne, Augustus Lowell, George G. Kennedy, Timothy F. Allen, Benjamin P. Cheney, Wolcott Gibbs, George W. Hammond, Nathaniel T. Kidder, Nathaniel C. Nash.

To visit the Museum of Comparative Zoölogy. — Charles F. Folsom, Abbott Lawrence, Abbott L. Lowell, Louis Cabot, Francis L. Higginson, Arthur T. Cabot.

To visit the Peabody Museum. — Augustus Hemenway, Francis M. Weld, Charles P. Bowditch, Henry W. Haynes, Jesse W. Fewkes, T. Jefferson Coolidge, Jr.

To visit the Arnold Arboretum. — Thomas L. Livermore, Stephen M. Weld, Walter Hunnewell, Francis Parkman, George W. Vanderbilt, Henry G. Russell, Morris K. Jesup.

To visit the Lawrence Scientific School. — Abbott Lawrence, Robert S. Peabody, Morrill Wyman, Eliot C. Clarke, Wolcott Gibbs, Arthur Rotch.

To visit the Physical Laboratory and Department of Physics. — Francis Blake, Edmund Wetmore, T. Jefferson Coolidge, Henry M. Whitney, Elihu Thompson, Abbott Lawrence Rotch, Erasmus D. Leavitt, William H. Forbes, Frederick P. Fish.

To visit the Chemical Laboratory. — Francis Bartlett, Stephen M. Weld, Nathaniel Thayer, Edward D. Pearce, Alexander Cochrane, Samuel Cabot.

ON PHYSICAL TRAINING, ATHLETIC SPORTS, AND SANITARY CONDITION OF ALL BUILDINGS. — Robert Bacon, Augustus Hemenway, Charles F. Adams, 2d, George W. Weld, Robert F. Clark, Edwin Farnham, Maurice H. Richardson, William Hooper.

ON THE ADMINISTRATION OF THE UNIVERSITY CHAPEL. — Roger Wolcott, Samuel Hoar, Leverett Saltonstall, Frank Johnson, Arthur T. Lyman, Francis W. Hunnewell, William H. Fish, Jr.

ON THE TREASURER'S ACCOUNTS. — T. Jefferson Coolidge, Roger Wolcott, Robert Bacon, Charles H. Parker, George B. Chase, Israel M. Spelman, Jacob C. Rogers, John L. Gardner.

FOR THE COLLEGE:—

On Government. — Francis C. Lowell, Samuel Hoar, Charles R. Codman, Stephen M. Weld, Moorfield Storey, Gardiner M. Lane.

FOR THE COURSES OF INSTRUCTION:—

On the Semitic Languages. — Andrew P. Peabody, Jacob H. Schiff, Stephen Salisbury, George Wigglesworth.

On the Indo-Iranian Languages. — Andrew P. Peabody, Henry C. Warren, Jules Luquiens.

On Greek. — Henry W. Haynes, Charles G. Loring, Edwin H. Abbot, Gardiner M. Lane.

On Latin. — Gardiner M. Lane, Roger Wolcott, Prentiss Cummings.

On English Literature. — Samuel Eliot, Horace E. Scudder Henry A. Clapp.

On Composition and Rhetoric. — Charles F. Adams, Edwin L. Godkin, Josiah Quincy.

On German. — Carl Schurz, J. Elliot Cabot, Charles E. Grinnell.

On French. — Horatio G. Curtis, Robert H. Bancroft, John Templeman Coolidge, Jr.

On Italian. — Charles H. Grandgent, William D. Howells, Theodore C. Pease.

On Spanish. — George B. Shattuck, Joseph R. Coolidge, Samuel Eliot.

On Romance Philology. — Charles H. Grandgent, Francis B. Gummere, Henry R. Lang.

On Philosophy. — John Fiske, Joseph B. Warner, George B. Dorr.

On Political Economy. — T. Jefferson Coolidge, Henry Lee, Arthur T. Lyman, John L. Gardner, Howard Stockton.

On Ancient History, Mediaeval History, and Roman Law. — Henry W. Torrey, Edward J. Lowell, Abbott Lawrence Lowell.

On Modern History and International Law. — Roger Wolcott, Charles J. Bonaparte, James S. Russell.

On Fine Arts. — Robert S. Peabody, William A. Slater, Francis Lee Higginson, Arthur Rotch.

On Music. — Henry L. Higginson, John Fiske, Arthur Foote.

On Mathematics. — Edwin P. Seaver, George V. Leverett, Charles P. Bowditch.

On Botany. — Francis Peabody, Walter Hunnewell, Walter Deane.

On Zoölogy. — Theodore Roosevelt, Clarence J. Blake, Walter Faxon.

On Geology. — John Simpkins, Charles Fairchild, Alfred P. Rockwell.

DEGREE, HONOR, SCHOLARSHIP, AND PRIZE LISTS.
1891.

DEGREES.

On Commencement Day, June 24, 1891, degrees were conferred as follows:—

Honorary.

LL.D.

Melville Weston Fuller.
John Randolph Tucker.
Simeon Eben Baldwin.

Charles Franklin Dunbar.
William Watson Goodwin.
Theodore Lyman.

D.D.

Brooke Herford.

Joseph Henry Allen.

A.M.

Abbot Lawrence Rotch.
Albert Enoch Pillsbury.
William Jones Ladd.

John Davis.
Louis Dembitz Brandeis.

In Course.

Ph.D. and A.M.

Herman Vandenburg Ames, A.B. (*Amherst Coll.*) 1888, A.M. (*Harvard Univ.*) 1890.

Department, History. *Subject*, American History.

Thesis, "The Proposed Amendments to the Constitution of the United States."

George Aaron Barton, A.B. (*Haverford Coll.*) 1882, A.M. (*Ibid.*) 1885, A.M. (*Harvard Univ.*) 1890.

Department, Philology. *Subject*, Semitic Languages.

Thesis, "The Semitic Ishtar Cult."

Herbert Haviland Field, A.B. 1888, A.M. 1890.

Department, Natural History. *Subject*, Zoölogy.

Thesis, "The Development of the Pronephros Segmental Duct in the Amphibia."

Fred Emory Haynes, A.B. 1889, A.M. 1890.

Department, History. *Subject*, American History.

Thesis, "The Struggle for the Constitution in Massachusetts."

John William Henry Walden, A.B. 1888, A.M. 1889.

Department, Philology. *Subjects*, Greek and Latin.

Thesis, "De participiis praesentium usu Ammiano."

William McMichael Woodworth, A.B. 1888.

Department, Natural History. *Subject*, Zoölogy.

Thesis, "On the Structure of Phagocata Gracilis."

Theodore Francis Wright, A.B. 1866, A.M. 1869.

Department, Philosophy. *Subject*, Metaphysics.

Thesis, "The Human and its Relation to the Divine."

S.D.

George Howard Parker, S.B. 1887.

Department, Natural History. *Subject*, Zoölogy.

Thesis, "The Compound Eyes in Crustaceans."

A.M.

Francis Kingsley Ball, A.B. (*Drury Coll.*) 1887, A.B. (*Harvard Univ.*) 1890.

William Nickerson Bates, A.B. 1890.

William James Battle, A.B. (*Univ. of North Carolina*) 1888, A.M. (*Ibid.*) 1889, PH.D. (*Ibid.*) 1890.

Adolf Augustus Berle, D.B. (*Oberlin Coll.*) 1887.

Edwin Victor Bigelow, A.B. (*Washington State Univ.*) 1887, A.M. (*Ibid.*) 1890, D.B. (*Yale Univ.*) 1890.

Edwin Tenney Brewster, A.B. 1890.

Carroll Neidé Brown.

John Cabel Breckinridge Burbank, A.B. 1889.

William Bancroft Carpenter, A.B. 1890.

George Lucius Collie, S.B. (*Beloit Coll.*) 1881.

Robert Elkin Neil Dodge, A.B. 1889.

William Edward Burghardt DuBois, A.B. (*Fisk Univ.*) 1888, A.B. (*Harvard Univ.*) 1890.

Charles Rochester Eastman, A.B. 1890.

Alfred Cope Garrett, A.B. (*Haverford Coll.*) 1887, A.B. (*Harvard Univ.*) 1889.

Nathan Richard George, Jr., A.B. 1890.

Evarts Boutell Greene, A.B. 1890.

Charles Burton Gulick, A.B. 1890.

Edwin Charles Headle, A.B. (*Tufts Coll.*) 1876, D.B. (*Tufts Divinity School*) 1880.

Henry Newell Herman, A.B. 1890.

Arthur Kendrick, A.B. (*Amherst Coll.*) 1887.

Augustus White Long, A.B. (*Univ. of North Carolina*) 1885, A.M. Hon. (*Trinity Coll., N. C.*) 1889.

- Maurice Whittemore Mather, A.B. 1890.
 Sidney Edward Mezes, S.B. (*Univ. of California*) 1884, A.B. (*Harvard Univ.*) 1890.
 Charles Louis Mix, A.B. 1890.
 Edwin Vernon Morgan, A.B. 1890.
 George Dana Mumford, A.B. (*Columbia Coll.*) 1889.
 Curtis Hidden Page, A.B. 1890.
 William Lyon Phelps, A.B. (*Yale Univ.*) 1887.
 William Forrest Pillsbury, A.B. 1889.
 James Dwight Prindle, Jr., A.B. 1889.
 George Andrew Reisner, A.B. 1889.
 William Emerson Ritter, LIFE DIPLOMA (*Wis. State Normal School*) 1884, S.B. (*Univ. of California*) 1888.
 Elliot Folger Rogers, A.B. 1890.
 Theophilus Huntington Root, A.B. 1885, D.B. (*Yale Univ.*) 1890.
 James Brown Scott, A.B. 1890.
 Allison Wing Slocum, A.B. (*Haverford Coll.*) 1888, A.M. (*Ibid.*) 1889.
 David Ellsworth Spencer, L.B. (*Univ. of Wisconsin*) 1887.
 Livingston Boyd Stedman, A.B. 1887.
 Hermon Weed Stevens, A.B. 1889.
 Hugh Tallant, A.B. 1891.
 William Homer Warren, A.B. 1889.
 Raymond Leslie Weeks, A.B. 1890.
 Thomas Elmer Will, A.B. 1890.
 Arthur Brown Wilmott, A.B. (*Victoria Univ.*) 1887, S.B. (*Ibid.*) 1887.

D.B. and A.M.

- John Carroll Perkins, A.B. (*Bates Coll.*) 1882, A.M. (*Ibid.*) 1885. Charles Tildon Sempers, A.B. 1888.
 Walter Bowen Waterman, A.B. 1886.

D.B.

- Nariaki Kozaki, (*Dashisha Coll.*) 1881, (*Theol. Dept., Ibid.*) 1884, D.B. (*Pacific Theol. Sem.*) 1887.
 Henry Thomas Secrist, A.B. (*Antioch Coll.*) 1888.
 Walter Alexander Taylor, A.B. (*Mt. Allison Coll.*) 1885.

LL.B. and A.M.

- James Alderson Bailey, Jr., A.B. 1888. Gustavus Hay, Jr., A.B. 1888.
 Wilfred Bolster, A.B. 1888. Lockwood Honoré, A.B. 1888.
 Guy Cunningham, A.B. 1887. Francis Cleaveland Huntington, A.B. 1887.
 David Taggart Dickinson, A.B. 1888. Michael Edward Kelley, A.B. 1888.
 Steven Austin Foster, A.B. (*Tufts Coll.*) 1887. Ralph Averill Kellogg, A.B. 1888.

- William Henry Rand, Jr., A.B. 1888. Sumner Robinson, A.B. (*Tufts Coll.*) 1888.
 Edgar Judson Rich, A.B. 1887. Ezra Ripley Thayer, A.B. 1888.
 Odin Barnes Roberts, A.B. 1886, S.B. William Goodrich Thompson, A.B. 1888.
 (*Mass. Inst. Tech.*) 1888. Frank Backus Williams, A.B. 1888.

LL.B.

- James Walker Austin, A.B. 1888. Charles Robert Holterhoff, A.B.
 George Hutchins Bingham, A.B. (*Univ. of Cincinnati*) 1889.
 (*Dartmouth Coll.*) 1887. Frederick William Longfellow.
 Eli Whitney Blake, Jr., A.B. (*Brown Univ.*) 1888. Franklin Dixon Peale, A.B. 1888.
 Edward Hymen Blanc. George Totten Quinby, A.B. 1887,
 A.M. 1888.
 George Albert Carpenter, A.B. 1888. Thomas Taylor Seelye, A.B. 1888.
 Richard Percy Chittenden, A.B. 1888. Freeman Snow, A.B. 1873, Ph.D.
 Marshall Bidwell Clarke, A.B. 1888. 1877.
 Herbert Henry Darling, A.B. 1889. Solomon Louis Swarts, A.B. 1888.
 Harvey Doane Eaton, A.B. (*Colby Univ.*) 1887. Frank Wallace Thayer, A.B. 1889.
 George Eldred. Perry Davis Trafford, A.B. 1889.
 Lloyd McKim Garrison, A.B. 1888. John Cassan Wait, C.E. (*Cornell Univ.*) 1882, M.S. (*Norwich Univ.*)
 Guy Despard Goff, A.B. (*Kenyon Coll.*) 1888. 1887.
 Homer Winthrop Hervey, A.B. 1888. Henry Steele Wardner, A.B. 1888.
 Louis Hicks, A.B. (*Coll. of the City of New York*) 1885, A.B. (*Harvard Univ.*) 1887, A.M. (*Coll. of the City of New York*) 1888. Milton Burrage Warner.
 Waldo Wickham Willard, A.B. 1887.
 Walter Marinus Willett, A.B. 1888.
 Julius Freiberg Workum, A.B. 1888, A.M. 1889.

M.D. and A.M.

- John Bapst Blake, A.B. 1887. Arthur Carlton Jelly, A.B. 1881.
 William Allen Brooks, Jr., A.B. 1887. Howard Augustus Lothrop, A.B.
 James Willard Dudley, A.B. 1887. 1887.
 Silas Arnold Houghton, A.B. 1887. John Lovett Morse, A.B. 1887.
 John Henry Huddleston, A.B. 1886. Charles Augustus Pratt, A.B. 1886.
 James Marsh Jackson, A.B. 1887. Thomas Johns Robinson, A.B. 1887.

M.D. (*Four years' course.*)

- Everett M Bowker. Herbert Eugene Knowlton.
 Henry Fuller Curtis, A.B. (*Colby Univ.*) 1887. William Ellsworth McPherson.
 Warren Parker Grimes. Lewis Marshall Walker.

M.D. (Three years' course.)

- Richard Gilbert Ayer.
 John Washburn Bartol, A.B. 1887.
 Fred Raymond Bowman, A.B. (*Colby Univ.*) 1887.
 Horace Elwood Bragdon.
 John Edward Butler.
 Sidney Avery Clark, A.B. (*Amherst Coll.*) 1888.
 Lawrence Henry Goodwin Collier.
 Arthur Irving Connell, A.B. (*Brown Univ.*) 1887, A.M. (*Ibid.*) 1890.
 Frederick Shurtleff Coolidge, A.B. 1887.
 Eugene Anthony Crockett.
 John Benedict Curtis, Jr., A.B. (*Boston Coll.*) 1887.
 Frederick Augustus Davis, B.S. (*Mass. Agric. Coll.*) 1887.
 Henry Vincent Donovan.
 Edwin Welles Dwight.
 William Edward Faulkner, A.B. 1887.
 George Wells Fitz.
 Edmund Randolph Peaslee Fourtin.
 Donald Allen Fraser.
 Daniel Hunt Fuller, A.B. (*Brown Univ.*) 1886, A.M. (*Ibid.*) 1889.
 James Philip Goray.
 Charles Henry Gray.
 Lyman Asa Jones, A.B. (*Lawrence Univ.*) 1886, A.M. (*Ibid.*) 1889.
 Willey Lyon Kingsley, A.B. (*Yale Univ.*) 1886.
 Augustus Smith Knight, A.B. 1887.
 John Coakley McCarthy.
 Michael Peter Mahoney.
 Henry Cowles Miller, A.B. 1886.
 George Patrick Morris, A.B. 1883.
 Jesse Everett Mowry.
 Charles Danforth Nelson.
 Maurice Wellesley Pearson.
 David Thomas Percy, Jr.
 Jay Perkins.
 Alfred Charles Post.
 Frederic Stocker Raddin, A.B. (*King's Coll.*) 1888.
 Michael Edward Scannell.
 Joseph Senay.
 William Joseph Sheehan, A.B. (*Boston Coll.*) 1888.
 James Edwin Simpson.
 John Richard Slattery, A.B. (*George town Coll.*) 1885.
 Will Howard Swan.
 Edward Wyllys Taylor, A.B. 1888.
 Edward Aloysius Tracy.
 George Herman Tuttle, A.B. 1887.
 Edward Roswell Utley.
 Maurice Anson Walker, M.D. (*Univ. of Denver*) 1889.
 Arthur Howard Wentworth.
 Willard Francis Whitmarsh, A.B. (*Amherst Coll.*) 1887.
 Kenelm Winslow, B.A.S. 1883, M.D.V. 1886.

D.M.D.

- Paul Boitel.
 Georges Antoine Brouillet.
 Alexander Humboldt Fisher.
 Adin Albert Goldsmith, A.B. (*Univ. of Pa.*) 1888.
 Amos Irving Hadley.
 George Meads Holden.
 Shimpei Nobutsune Isawa.
 George Martin, D.D.S. (*Univ. of California*) 1890.
 Clarence Moore Noble.
 Hugh Owen.
 Joseph Totten Paul.
 George Barnum Perry.
 William Fuller Sharp, D.D.S. (*Univ. of California*) 1890.
 Fred Homer Woodcock.

M.D.V.

Edgar Arnold Crossman.

Edward Pierce Dowd.

Henry Fiske Leonard, M.D. (*Coll. of Phys. & Surg., New York*) 1880.

Patrick Henry Mullooney.

Frederick McKenney Perry.

Howard Perry Rogers.

S.B.

Josiah Beard Moore.

Ralph Stockman Tarr.

A.B.

Seabury Wells Allen.

William Howard Allen.

William Amory, 2d.

Gustaf Bernhard Anderson, A.B.
(*Augustana Coll.*) 1888.

Robert Whitman Atkinson.

Alfred S. Austrian.

John Alton Avery.

Harvey Humphrey Baker.

Herman Trost Baldwin.

James Dixon Roman Baldwin.

Francis Reginald Bangs.

Robert Shaw Barlow.

Joseph Henry Barnes, Jr.

Morgan Barnes.

Amos Noyes Barron.

Thomas Barron.

John Foster Bass.

Walter Greenwood Beach, A.B.
(*Marietta Coll.*) 1888.

Charles Harrison Bean.

Adolf Augustus Berle, D.B. (*Oberlin Coll.*) 1887.

Edward Sidney Berry.

Henry Franklin Berry.

Samuel Lawrence Bigelow.

Heber Reginald Bishop, Jr.

James Cunningham Bishop.

Morris Loveman Black.

Otis Fisher Black.

Charles Arthur Blake.

John Adams Blanchard.

Charles Crosby Blaney.

Border Bowman.

Sewall Carroll Brackett.

Schuyler Colfax Brewster, A.B.
(*Univ. of Kansas*) 1890.

Arthur Hendricks Brooks.

Lawrence Brooks.

Carroll Neidé Brown.

Frederick Wires Brown.

William Garrott Brown, A.B.
(*Howard Coll.*) 1886.

Arthur Lewis Bumpus.

Charles Bell Burke, Litt.B. (*Vanderbilt Univ.*) 1889.Robert James Burkitt, A.B. (*Dalhousie Univ.*) 1889.Edward Burnham Burling, A.B.
(*Iowa Coll.*) 1890.James Perkins Burling, A.B. (*Iowa Coll.*) 1889.

Frederick Wright Burlingham.

Arthur Ellington Burr.

George Daniel Bussey.

Francis Gordon Caffey, A.M.
(*Howard Coll.*) 1887.

William Morgan Cannon.

William Van Allen Catron, A.B.
(*Univ. of Missouri*) 1890.David Allen Center, S.B. (*Mass. Inst. of Tech.*) 1888.Thomas Chalmers, A.B. (*Eureka Coll.*) 1889.

George Augustus Chamberlain.

Theodore Chamberlin.

Willis Arden Chamberlin, A.B.
 (*Denison Univ.*) 1890.
 Frank Dyer Chester.
 George Herbert Chittenden.
 Frederick Redman Clow, A.B.
 (*Carleton Coll.*) 1889.
 Frederick William Coburn.
 Ernest Amory Codman.
 William Bryce Cohen.
 Jerome Wahlrath Coombs.
 Herbert Copeland.
 Henry Wick Corning.
 Franklin Coues.
 Edmund Otis Cox.
 Stephen Van Rensselaer Crosby.
 Harry Irving Cummings.
 John Cummings.
 Arthur James Cumnock.
 Thomas Hatfield Currie.
 Howard Gardiner Cushing.
 Frederick Lewis Dabney.
 Charles Balfour Darling.
 Horace Andrew Davis.
 Robert Howe Davis.
 Thompson Trueman Davis, A.B.
 (*Mt. Allison Coll.*) 1874.
 Dudley Stuart Dean.
 Francis Parkman Denny.
 Philip Yardley De Normandie.
 Charles Reighley Detrick.
 Howard Williams Dickinson, A.B.
 (*Marietta Coll.*) 1888.
 John Lockwood Dodge.
 Perley Doe.
 William Ephraim Daniel Downes.
 Augustus William Dudley.
 John Duff.
 William Colby Eaton.
 Frank Elmer Edwards.
 Edwin Emerson, A.B. (*Cornell Univ.*) 1890.
 Ralph Lincoln Emerson.
 Torrey Everett.

William Joslyn Farquhar.
 James Ralph Finlay.
 George Stanley Fiske.
 Edward Fuller Fitzhugh.
 Frederick Gleed Fleetwood.
 Wyman Kneeland Flint.
 James Everett Frame.
 Adolph Richard Frank.
 Robert Maynard Franklin.
 Richard Patrick Freeman, Jr.
 Edward Fulton, A.B. (*Dalhousie Univ.*) 1889.
 Arthur Joseph Garceau.
 Charles Ferris Gettemy, A.B.
 (*Knox Coll.*) 1890.
 Harry Robert Gledhill.
 George Tarleton Goldthwaite.
 Benjamin Apthorp Gould, Jr.
 Louis Morris Greer.
 William Lamson Griffin.
 Thomas Edmund Guerin.
 Robert Beverly Hale.
 Robert Sever Hale.
 Angelo Hall.
 John Otis Hall, Jr.
 Alexander Browne Halliday.
 Henry Hale Harris.
 William Fenwick Harris.
 Philip Julian Harrison.
 Horatius Bonar Hastings.
 Alfred Samuel Hayes.
 Arthur Everett Healey.
 John Brooks Henderson, Jr.
 Wilbur Franklin Henderson.
 Omer Fenimore Hershey.
 William Hill, A.B. (*Univ. of Kansas*) 1890.
 Frank Henry Hitchcock.
 Arthur Clark Holt.
 Wilford Lawrence Hoopes, S.B.
 (*Univ. of Penn.*) 1884.
 Charles Sydney Hopkinson.
 William Guild Howard.

- John Mead Howells.
 Daniel Lawrence Hunt.
 Fred Albion Huntress.
 James Ralph Jacoby.
 James Rockwood Jenkins.
 Frederick Larrabee Jerris.
 Herbert Spencer Johnson, A.B.
 (*Univ. of Oregon*) 1887.
 Jonathan Edward Johnson.
 Grahame Jones.
 William Preble Jones.
 George Wheeler Keene.
 Frederick Lincoln Kendall, A.B.
 (*Carleton Coll.*) 1890.
 George Frederick Kettell, PH.B.
 (*Wesleyan Univ.*) 1889.
 Tarrant Putnam King.
 Alfred David Kohn.
 George Nichols Lamb.
 John Watson Lawrence.
 Angelo Lee.
 James Parrish Lee.
 Thomas Sim Lee.
 Joseph Leiter.
 Edmund Francis Leland.
 Horace De Young Lentz.
 Frederick Liddeke, A.B. (*Univ.*
 of Kansas) 1890.
 Nicholas Longworth.
 James Arnold Lowell.
 Matthew Luce, Jr.
 James Philip McAdams.
 Edward Davidson McCollom.
 Hugh McCulloch, Jr.
 Duncan McDermid.
 Arthur Nye McGeoch.
 Charles Haddon McIntyre, A.B.
 (*Acadia Coll.*) 1889.
 Edwin Solomon Mack.
 Frank Bowers McKean.
 Kenneth McKenzie.
 Ambrose Watts MacLeod, A.B.
 (*Dalhousie Univ.*) 1888.
 Frederick Joseph Macleod, A.B.
 (*Dalhousie Univ.*) 1890.
 Frederick William McNear, L.B.
 (*Univ. of California*) 1890.
 John Watkins Mariner.
 Melville Asbury Marsh.
 Glenn Clayton Mead.
 Edgar Mills, Jr.
 Edward Calvin Moën.
 Edward Clark Morey, A.B. (*Syr-*
 racuse Univ.) 1884, A.M. (*Ibid.*)
 1887.
 Frederic Grinnell Morgan.
 Charles King Morrison.
 Lewis Kennedy Morse.
 Galloupe Morton.
 William Augustus Muller.
 Nettleton Neff.
 Murry Nelson, Jr.
 Jesse Gilman Nichols.
 Harry Lovett Norton.
 Richard Winslow Nutter.
 Robert Lincoln O'Brien.
 John Oenslager, Jr.
 Andrew Oliver.
 George Laurie Osgood, Jr.
 Louis Coues Page.
 John Bryant Paine.
 Edward Oliver Parker.
 James Alfred Parker.
 Wallace Asahel Parker.
 Starr Parsons.
 Guy Patillo.
 David Crowell Percival, Jr.
 Nathan Wyman Perkins.
 Thomas Nelson Perkins.
 Warren Phinney.
 Régis Henri Post.
 George Livermore Potter.
 Harry Austin Potter.
 Robert Burnside Potter.
 John Orville Powers.
 Charles Russell Lowell Putnam.

- John Parkhurst Putnam.
 William Merwin Randol.
 Willard Reed.
 Phillip Mercer Rhinelander.
 Harry Norman Rice.
 John Wesley Rice.
 Henry Rich.
 John William Roberts, A.B. (*Col-
gate Univ.*) 1890.
 Fred Norris Robinson.
 Francis Stetson Rogers.
 Logan Herbert Roots.
 Victor Sydney Rothschild.
 Henry Arthur Rusch.
 Virgil Ryder, A.B. (*Univ. of
Wooster*) 1890.
 George Hubbard Savage.
 Henry Martyn Saville.
 Sumner Carruth Saville.
 Harris Eastman Sawyer.
 Francis Philip Sears.
 William Richards Sears.
 Frank Webber Sever.
 Quincy Adams Shaw.
 Justus Pearl Sheffield.
 Arthur Beaman Simonds.
 Minot Osgood Simons.
 Charles Lewis Slattery.
 Fritz Hubert Small.
 James Brady Smiley, A.B. (*Ober-
lin Coll.*) 1889.
 Crapo Cornell Smith.
 Frank Avery Smith.
 Thomas Jefferson Stead.
 Charles Ephraim Stearns.
 William Charles Sterne.
 Joseph Austin Stetson.
 Weston Stickney.
 Lawrence Mason Stockton.
 John Dunbar Stults.
 Alfred Sutro.
 Charles Louis Swan.
 Hugh Tallant.
 Albert Ernst Taussig.
 Leo Boone Thomas.
 Roger Edmund Tileston.
 John Tunis, D.B. 1882.
 Wallace Manahan Turner.
 George Tyson.
 Paul Barbeau Vallé.
 Robert Wainwright.
 Arthur Stuart Walcott.
 Hobart Endicott Warren.
 Henry Bradford Washburn.
 Jesse Meyer Weissman.
 Alfred Rodman Weld.
 Alfred Winsor Weld.
 Samuel Wells, Jr.
 Montgomery Sears West.
 Lewis Gardner Westgate, A.B.
 (*Wesleyan Univ.*) 1890.
 Arthur Wisswald Weyssé.
 Harry White.
 Robert Treat Whitehouse.
 Charles Allen Whiting.
 Mortimer Oliver Wilcox.
 Maurice Hilger Wildes.
 Harold Sanford Wilkinson.
 Charles Wesley Willard.
 Ernest Paulinus Williams.
 Gibson Tenney Williams, Jr.
 Leroy Blanchard Williams.
 Moses Williams, Jr.
 Charles Fenno Winslow.
 Frederick Bayard Winthrop.
 Grenville Bayard Winthrop.
 William Russell Witherle.
 Robert Williams Wood, Jr.
 Arthur Vernon Woodworth.
 George Bentz Woormer.
 Charles Henry Conrad Wright.

Certificates without Academic Degrees.

George Henry Leonard, Jr.

Arthur Malbon Little.

*Out of Course.***LL.B.**

Walter Darling Buck, as of the class of 1890.

Samuel Mitchell Child, as of the class of 1890.

William Walton Linn, A.B. 1887, as of the class of 1890,

Elmer Ellsworth Rideout, A.B. (*Bowdoin Coll.*) 1886, as of the class of 1890.**S.B.**

George Cary, as of the class of 1883.

A.M.

Alexander William MacRae, as of the class of 1890.

A.B.

Herbert Corey Leeds, as of the class of 1877.

Rollin North Larrabee, as of the class of 1885.

John Milton Gitterman, PH.D., as of the class of 1888.

Herman Weed Stevens, as of the class of 1889.

Walter Eugene Beer, as of the class of 1890.

Clinton Tyler Brainard, as of the class of 1890.

Ruben Heber Coatsworth, as of the class of 1890.

Frederic Sprague Goodwin, as of the class of 1890.

COMMENCEMENT PARTS.*Orations.*

ROBERT WHITMAN ATKINSON.

CHARLES LEWIS SLATTERY.

CARROLL NEIDÉ BROWN.

CHARLES WESLEY WILLARD.

WILLIAM GARROTT BROWN.

LEROY BLANCHARD WILLIAMS.

WILLIAM MORGAN CANNON.

CHARLES HENRY CONRAD WRIGHT.

FREDERICK NORRIS ROBINSON.

Dissertations.

HARVEY HUMPHREY BAKER.

GEORGE HERBERT CHITTENDEN.

SEWALL CAROLL BRACKETT.

FREDERICK WILLIAM COBURN.

FREDERICK WRIGHT BURLINGHAM.

HARRY IRVING CUMMINGS.

ARTHUR ELLINGTON BURR.

JOHN CUMMINGS.

GEORGE DANIEL BUSSEY.

HORACE ANDREW DAVIS.

THEODORE CHAMBERLIN.

CHARLES REIGHLEY DETRICK.

FRANK DYER CHESTER.

WILLIAM EPHRAIM DANIEL DOWNES.

AUGUSTUS WILLIAM DUDLEY.
JAMES EVERETT FRAME.
HARRY ROBERT GLEDHILL.
ROBERT BEVERLY HALE.
ROBERT SEVER HALE.
ANGELO HALL.
WILLIAM FENWICK HARRIS.
WILLIAM GUILD HOWARD.
JONATHAN EDWARD JOHNSON.
JAMES PHILIP McADAMS.
EDWARD DAVIDSON McCOLLUM.
EDWIN SOLOMON MACK.
KENNETH MCKENZIE.
EDWARD OLIVER PARKER.

WALLACE ASAHIEL PARKER.
STARR PARSONS.
WARREN PHINNEY.
GEORGE LIVERMORE POTTER.
JOHN ORVILLE POWERS.
WILLARD REED.
LOGAN HERBERT ROOTS.
FRITZ HUBERT SMALL.
ALFRED SUTRO.
ALBERT ERNST TAUSSIG.
WALLACE MANAHAN TURNER.
ARTHUR WISSWALD WEYSSE.
WILLIAM RUSSELL WITHERLE.
GEORGE BENTZ WOOMER.

Disquisitions.

JOHN ALTON AVERY.
ROBERT SHAW BARLOW.
JOSEPH HENRY BARNES, JR.
MORGAN BARNES.
AMES NOYES BARRON.
JOHN FOSTER BASS.
HENRY FRANKLIN BERRY.
JOHN ADAMS BLANCHARD.
CHARLES CROSBY BLANEY.
BORDER BOWMAN.
GEORGE AUGUSTUS CHAMBERLAIN.
ERNEST AMORY CODMAN.
CHARLES BALFOUR DARLING.
FRANCIS PARKMAN DENNY.
WYMAN KNEELAND FLINT.
ROBERT MAYNARD FRANKLIN.
RICHARD PATRICK FREEMAN, JR.
BENJAMIN APTHORP GOULD, JR.
JOHN OTIS HALL, JR.
OMER FENIMORE HERSHEY.
FRANK HENRY HITCHCOCK.
TARRANT PUTNAM KING.
ALFRED DAVID KOHN.
HORACE DE YOUNG LENTZ.
JAMES ARNOLD LOWELL.
HUGH McCULLOCH, JR.
ARTHUR NYE MCGEOCH.

GLENN CLAYTON MEAD.
WILLIAM AUGUSTUS MULLER.
NETTLETON NEFF.
ROBERT LINCOLN O'BRIEN.
ANDREW OLIVER.
JOHN OENSLAGER, JR.
JAMES ALFRED PARKER.
NATHAN WYMAN PERKINS.
THOMAS NELSON PERKINS.
PHILIP MERCER RHINELANDER.
JOHN WESLEY RICE.
FRANCIS STETSON ROGERS.
HENRY ARTHUR RUSCH.
HARRIS EASTMAN SAWYER.
HENRY MARTYN SAVILLE.
FRANCIS PHILIP SEARS.
WILLIAM RICHARDS SEARS.
JOSEPH AUSTIN STETSON.
JOHN DUNBAR STULTS.
HUGH TALLANT.
ARTHUR STUART WALCOTT.
HENRY WHITE.
HAROLD SANFORD WILKINSON.
MOSES WILLIAMS, JR.
GRENVILLE BAYARD WINTHROP.
ARTHUR VERNON WOODWORTH.

FINAL HONORS.

In Semitic.

GEORGE ANDREW REISNER, A.B.,	Highest Honors.
FRANK DYER CHESTER,	Honors.

In Classics.

CHARLES BURTON GULICK, A.B.,	Highest Honors.
CARROLL NEIDÉ BROWN,	Honors.
WILLIAM MORGAN CANNON,	Honors.
FREDERICK WILLIAM COBUEN,	Honors.
WILLIAM EPHRAIM DANIEL DOWNES,	Honors.

In Modern Literature.

CURTIS HIDDEN PAGE, A.B.,	Highest Honors.
ROBERT ELKIN NEIL DODGE, A.B.,	Honors.
EDWIN EMERSON, A.B.,	Honors.
FRED NORRIS ROBINSON,	Honors.
CHARLES HENRY CONRAD WRIGHT,	Honors.

In Philosophy.

CHARLES LEWIS SLATTERY,	Honors.
-------------------------	---------

In Political Science.

LEROY BLANCHARD WILLIAMS,	Highest Honors.
HARVEY HUMPHREY BAKER,	Honors.
JACOB BROWN SCOTT, A.B.,	Honors.

In History.

WILLIAM GARROTT BROWN,	Highest Honors.
GEORGE BENTZ WOOMEER,	Honors.

In Music.

ROBERT WHITMAN ATKINSON,	Highest Honors.
KENNETH MCKENZIE,	Honors.
WILLIAM RUSSELL WITHERLE,	Honors.

In Mathematics.

ANGELO HALL,	Honors.
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HONORABLE MENTION.

ROBERT WHITMAN ATKINSON.	<i>Music.</i>
HARVEY HUMPHREY BAKER.	<i>Political Economy; History.</i>
HERMAN TROST BALDWIN.	<i>Natural History.</i>
FRANCIS REGINALD BANGS.	<i>Philosophy; Natural History.</i>

- ROBERT SHAW BARLOW. *Philosophy.*
 JOSEPH HENRY BARNES. *Political Economy; History.*
 MORGAN BARNES. *Latin.*
 AMOS NOYES BARRON. *Physics.*
 JOHN FOSTER BASS. *Philosophy.*
 WALTER GREENWOOD BEACH, A.B. *Philosophy.*
 HENRY FRANKLIN BERRY. *History.*
 MORRIS LOVEMAN BLACK. *History.*
 CHARLES ARTHUR BLAKE. *Political Economy; History, bis.*
 CHARLES CROSBY BLANEY. *History; Fine Arts.*
 BORDER BOWMAN. *Mathematics.*
 ARTHUR HENDRICKS BROOKS. *Engineering.*
 CARROLL NEIDÉ BROWN. *Greek, ter; Latin.*
 WILLIAM GARROTT BROWN. *History, bis.*
 FREDERICK WRIGHT BURLINGHAM. *History.*
 ARTHUR ELLINGTON BURR. *History.*
 FRANCIS GORDON CAFFEY, A.M. *History.*
 WILLIAM MORGAN CANNON. *Greek, ter; Latin, bis.*
 DAVID ALLEN CENTER, S.B. *Mathematics.*
 THEODORE CHAMBERLIN. *English Composition; Philosophy.*
 FRANK DYER CHESTER. *Semitic, bis.*
 GEORGE HERBERT CHITTENDEN. *German; Physics.*
 FREDERICK REDMAN CLOW, A.B. *Political Economy.*
 FREDERICK WILLIAM COBURN. *Greek; Latin.*
 ERNEST AMORY CODMAN. *Philosophy; Natural History.*
 WILLIAM BRYCE COHEN. *English Composition.*
 JEROME WAHLRATH COOMBS. *History.*
 EDMUND OTIS COX. *Engineering, bis.*
 HARRY IRVING CUMMINGS. *English Composition.*
 JOHN CUMMINGS. *English Composition; Philosophy; Political Economy; History.*
 THOMAS HATFIELD CURRIE. *Natural History.*
 HOWARD GARDINER CUSHING. *Italian.*
 CHARLES BALFOUR DARLING. *German; Natural History.*
 HORACE ANDREW DAVIS. *English; English Composition; History.*
 ROBERT HOWE DAVIS. *French.*
 THOMPSON TRUEMAN DAVIS, A.B. *Mathematics.*
 FRANCIS PARKMAN DENNY. *Natural History.*
 CHARLES REIGHLEY DETRICK. *English; Political Economy; History.*
 JOHN LOCKWOOD DODGE. *History.*
 WILLIAM EPHRAIM DANIEL DOWNES. *Greek, bis; Latin.*
 AUGUSTUS WILLIAM DUDLEY. *Mathematics, bis.*
 RALPH LINCOLN EMERSON. *History.*

- JAMES RALPH FINLAY. *Natural History.*
WYMAN KNEELAND FLINT. *Fine Arts.*
JAMES EVERETT FRAME. *Greek; Philosophy.*
ADOLPH RICHARD FRANK. *German.*
ROBERT MAYNARD FRANKLIN. *History.*
HARRY ROBERT GLEDHILL. *English Composition; History.*
BENJAMIN APTHORP GOULD. *English Composition.*
ROBERT SEVER HALE. *Mathematics; Physics.*
ANGELO HALL. *Mathematics, ter.*
HENRY HALE HARRIS. *Natural History.*
WILLIAM FENWICK HARRIS. *Greek; Latin.*
ALFRED SAMUEL HAYES. *Philosophy; Political Economy.*
WILBUR FRANKLIN HENDERSON. *Natural History.*
OMER FENIMORE HERSHEY. *English Composition; History.*
WILLIAM HILL, A.B. *Political Economy.*
ARTHUR CLARK HOLT. *Engineering.*
WILFORD LAWRENCE HOOPES, S.B. *Philosophy.*
WILLIAM GUILD HOWARD. *English Composition; French.*
JOHN MEAD HOWELLS. *Fine Arts.*
FRED ALBION HUNTRESS. *Chemistry.*
JAMES ROCKWOOD JENKINS. *Philosophy.*
JONATHAN EDWARD JOHNSON. *English Composition; History.*
TARRANT PUTNAM KING. *Engineering.*
ALFRED DAVID KOHN. *English.*
HORACE DE YOUNG LENTZ. *History.*
FREDERICK LIDDEKE, A.B. *Philosophy.*
JAMES ARNOLD LOWELL. *English; Natural History.*
JAMES PHILIP MCADAMS. *Greek; Latin; Chemistry.*
EDWARD DAVIDSON MCCOLLOM. *Greek; Latin.*
HUGH MCCULLOCH. *English; English Composition; French.*
CHARLES HADDON MCINTYRE, A.B. *History.*
KENNETH MCKENZIE. *English Composition; Music, bis.*
AMBROSE WATTS MACLEOD, A.B. *Philosophy.*
EDWIN SOLOMON MACK. *History.*
MELVILLE ASBURY MARSH. *English.*
GLENN CLAYTON MEAD. *History.*
FREDERIC GRINNELL MORGAN. *History, bis.*
LEWIS KENNEDY MORSE. *Political Economy; History.*
WILLIAM AUGUSTUS MULLER. *History.*
JESSE GILMAN NICHOLS. *Philosophy.*
ROBERT LINCOLN O'BRIEN. *Political Economy; History.*
JOHN OENSLAGER. *History; Chemistry.*
JOHN BRYANT PAINE. *Mathematics.*

- EDWARD OLIVER PARKER. *Philosophy.*
STARR PARSONS. *Greek; Latin; History.*
GUY PATTILLO. *History.*
THOMAS NELSON PERKINS. *History.*
WARREN PHINNEY. *French; Political Economy.*
GEORGE LIVERMORE POTTER. *History; Natural History.*
ROBERT BURNSIDE POTTER. *Fine Arts.*
JOHN ORVILLE POWERS. *English Composition; French.*
CHARLES RUSSELL LOWELL PUTNAM. *Natural History.*
WILLARD REED. *Greek; Latin, bis.*
PHILIP MERCER RHINELANDER. *English Composition; Philosophy.*
JOHN WESLEY RICE. *Greek.*
FRED NORRIS ROBINSON. *German; French.*
FRANCIS STETSON ROGERS. *English Composition.*
LOGAN HERBERT ROOTS. *Political Economy; History.*
VICTOR SYDNEY ROTHSCHILD. *French.*
HENRY ARTHUR RUSCH. *Natural History.*
HARRIS EASTMAN SAWYER. *Chemistry, bis.*
WILLIAM RICHARDS SEARS. *History.*
JUSTUS PEARL SHEFFIELD. *Philosophy.*
ARTHUR BEAMAN SIMONDS. *English Composition.*
MINOT OSGOOD SIMONS. *Philosophy.*
CHARLES LEWIS SLATTERY. *Greek; English Composition; Philosophy.*
FRITZ HUBERT SMALL. *Mathematics.*
CRAPO CORNELL SMITH. *Political Economy; Engineering.*
JOSEPH AUSTIN STETSON. *Political Economy.*
JOHN DUNBAR STULTS. *Natural History.*
HUGH TALLANT. *Fine Arts; Mathematics; Engineering, bis.*
ALBERT ERNST TAUSSIG. *Philosophy.*
ROGER EDMUND TILESTON. *Chemistry.*
JOHN TUNIS, D.B. *Philosophy.*
WALLACE MANAHAN TURNER. *Greek; Latin.*
GEORGE TYSON. *Natural History.*
PAUL BARBEAU VALLÉ. *French.*
LEWIS GARDNER WESTGATE, A.B. *Natural History.*
ARTHUR WISSWALD WEYSSE. *English Composition; Natural History.*
HARRY WHITE. *Sanskrit; Greek; Latin.*
CHARLES ALLEN WHITING. *Chemistry.*
MORTIMER OLIVER WILCOX. *English Composition.*
CHARLES WESLEY WILLARD. *English Composition; Latin; Italian.*
LEROY BLANCHARD WILLIAMS. *Political Economy; History.*
MOSES WILLIAMS. *Political Economy.*
CHARLES FENNO WINSLOW. *Greek.*

GRENVILLE BAYARD WINTHROP. *French; Political Economy.*
 WILLIAM RUSSELL WITHERLE. *Music, bis.*
 ROBERT WILLIAMS WOOD. *Chemistry; Natural History.*
 ARTHUR VERNON WOODWORTH. *English Composition; History.*
 GEORGE BENTZ WOOMER. *History, bis.*
 CHARLES HENRY CONRAD WRIGHT. *Greek; Latin; German; French.*

SECOND-YEAR HONORS.

*In Classics.**Juniors:*

WILLIAM SARGENT BURRAGE,	Highest Honors.
WILLIAM TYNG RAYMOND,	Highest Honors.
HENRY CARP PEARSON,	Honors.

Sophomores:

JOHN ALDEN,	Honors.
ARTHUR HALE GORDON,	Honors.
JOSEPH CLARK HOPPIN,	Honors.
ROLAND JESSUP MULFORD,	Honors.
GEORGE FREDERICK SIBLEY,	Honors.

*In Mathematics.**Sophomore:*

MAURICE HENRY EWER,	Highest Honors.
---------------------	-----------------

Juniors:

HOWARD MALCOLM BALLOU,	Honors.
GEORGE THORNTON PAGE,	Honors.
THOMAS FATZINGER PATTERSON,	Honors.
PHILIP LEFFINGWELL SPALDING,	Honors.

Sophomores:

AUGUSTUS JESSE BOWIE,	Honors.
FREDERICK CHASE McLAUGHLIN,	Honors.

*In Physics.**Junior:*

CHESTER HASTINGS ARNOLD,	Highest Honors.
--------------------------	-----------------

Sophomore:

MAURICE HENRY EWER,	Honors.
---------------------	---------

HOLDERS OF FELLOWSHIPS AND SCHOLARSHIPS.

(Appointed in 1891.)

THE GRADUATE SCHOOL.

Harris Fellowship.

EDWARD EVERETT HALE, JR.

Rogers Fellowships.

JOHN HENRY GRAY.

JOHN WILLIAM HENRY WALDEN.

Parker Fellowships.

HOWARD BEERS GIBSON.

JAMES BROWN SCOTT.

GEORGE HOWARD PARKER.

FRANK BEVERLY WILLIAMS.

John Thornton Kirkland Fellowship.

JONATHAN BEACE CHITTENDEN.

James Walker Fellowship.

DICKINSON SARGENT MILLER.

Morgan Fellowships.

WILLIAM JAMES BATTLE.

WILLIAM SUDDARDS FRANKLIN.

GEORGE LUCIUS COLLIE.

ALFRED LEROY HODDER.

HERBERT DARLING FOSTER.

HENRY BALDWIN WARD.

John Tyndall Scholarship.

ALLISON WING SLOCUM.

Henry Lee Memorial Fellowship.

WILLIAM HILL.

Ozias Goodwin Memorial Fellowship.

WILLIAM GARROTT BROWN.

Henry Bromfield Rogers Memorial Fellowship.

WILLIAM EDWARD BURGHARDT DUBOIS.

Scholarships.

Thayer.

CHARLES MONTAGUE BAKEWELL.
 EDWARD EVERETT CAUTHORNE.
 FREDERICK REDMAN CLOW.
 EVARTS BOUTELL GREENE.
 ARTHUR KENDRICK.
 GEORGE EDGAR LADD.
 THOMAS GEORGE LEE.
 WILLIAM LAWRENCE TENNEY.
 WILLIAM HOMER WARREN.
 JAMES ALVA WILGUS.

Shattuck.

GEORGE ASHLEY CAMPBELL.
 FRANK DYER CHESTER.
 EDWARD FULTON.
 CHARLES BURTON GULICK.
 DILWORTH POTTS HIBBEED.
 FREDERICK JOSEPH MACLEOD.
 JAMES CURTIS SHAW.

Tappan.

ARTHUR BROWN WILLIAMS.

Savage.

HARRY FLETCHER BROWN.

Townsend.

WILLIAM NICKERSON BATES.
 THOMPSON TRUEMAN DAVIS.
 FREDERICK WESLEY DEWART.
 AUGUSTUS WHITE LONG.

Derby.

HENRY KIRK WHITE.

Charles Haven Goodwin.

RICHARD CLARKE MANNING, JR.

Gorham Thomas.

ARTHUR HENRY PIERCE.

University.

FRANCIS KINGSLEY BALL.
 WALTER GREENWOOD BEACH.
 CARROLL NEIDÉ BROWN.
 CHARLES WILLIAM CABEEN.
 FRANCIS GORDON CAFFEY.
 WILLIAM MORGAN CANNON.
 BENJAMIN EDWARD CARTER, JR.
 JOHN CUMMINGS.
 CHARLES ROCHESTER EASTMAN.
 WILLIAM FENWICK HARRIS.
 WILLIAM GARFIELD HORMELL.
 GALEN DOWNER HULL.
 LORENZO NICKERSON JOHNSON.
 CHARLES ATWOOD KOFOID.
 EDWARD DAVIDSON MCCOLLOM.
 EDWARD CLARK MOREY.
 AVEN NELSON.
 WALTER EVERETT PHILIPS.
 JOHN OREN REED.
 FRITZ HUBERT SMALL.
 ARTHUR WISSWALD WEYSSE.

THE COLLEGE.

Class of 1891.

CHARLES HENRY CONRAD WRIGHT,
 MORGAN BARNES,
 WILLIAM MORGAN CANNON,
 FRANK DYER CHESTER,
 WILLIAM FENWICK HARRIS,

Name of Scholarship.
 Palfrey Exhibition.
 Bowditch.
 Bowditch.
 Bowditch.
 Bowditch.

ARTHUR WISSWALD WEYSSE,
 ROBERT LINCOLN O'BRIEN,
 CHARLES ARTHUR BLAKE,
 WILLIAM EPHRAIM DANIEL DOWNES,
 GLENN CLAYTON MEAD,
 JOSEPH HENRY BARNES, JR.,
 STARR PARSONS,
 WILLIAM GUILD HOWARD,
 EDWARD OLIVER PARKER,
 HARRIS EASTMAN SAWYER.,
 HARRY IRVING CUMMINGS,
 WARREN PHINNEY,
 WILLIAM AUGUSTUS MULLER,
 JAMES PHILIP McADAMS,
 JONATHAN EDWARD JOHNSON,
 HORATIUS BONAR HASTINGS,
 LEWIS KENNEDY MORSE,

Bowditch.
 Humphrey.
 Hollis.
 Class of 1815.
 Sewall.
 Abbot.
 Browne.
 Class of 1814.
 Class of 1817,
 H. B. Rogers.
 Walcott.
 Bassett.
 Pennoyer.
 Pennoyer.
 Matthews.
 Pennoyer.
 Pennoyer.

Class of 1892.

HOWARD MALCOLM BALLOU,
 WILLIAM TYNG RAYMOND,
 SAMUEL ADAMS,
 LEONARD HENRY DAVIS,
 CHARLES HOWARD DOW,
 WALTER LORING BARTLETT,
 ALLEN ROGERS BENNER,
 FRANCIS BURKE BRANDT,
 NATHAN BROWN DAY,
 PHILIP LEFFINGWELL SPAULDING,
 CHESTER HASTINGS ARNOLD,
 HENRY FRENCH HOLLIS,
 LEWIS SABIN THOMPSON,
 GEORGE ALEXANDER EATON,
 WILLIAM ANGUS HAMILTON,
 JAMES FERDINAND MORTON, JR.,
 HENRY CARR PEARSON,
 JOSEPH ALLEN,
 AMOS SHARTLE HERSHEY,
 JAMES MARTIN PERKINS,
 ERNEST ROSWELL MORSE,
 CLEMENT COLLESTER HYDE,
 HALSEY DEWOLF,
 ERNEST HIGGINS JACKSON,

Class of 1856.
 Class of 1856.
 Price Greenleaf.
 Price Greenleaf.
 Price Greenleaf.
 Price Greenleaf.
 Matthews.
 Bowditch.
 Bowditch.
 Matthews.
 Bowditch.
 Bowditch.
 Bowditch.
 Bowditch.
 Matthews.
 Bigelow.
 Bigelow.
 Bowditch.
 Dana.
 Bright.
 Bright.
 Abbott.
 Walcott.
 Walcott.

DAVID TAGGART CLARK,
CHARLES MERRICK FAUNCE,
GEORGE GUNNELL, JR.,
ADRIAN RANDOLF BENNETT HEGEMAN,
WILLIAM HENRY WYATT-HANNATH,

Bassett.
Sever.
Matthews.
Matthews.
Matthews.

Class of 1893.

WILLIAM VAUGHN STOEY MOODY,
FREDERICK WILLIAM DALLINGER,
RALPH WALDO GIFFORD,
DAVID SAVILLE MUZZEY,
FREDERICK GIBBS JACKSON,
HENRY FRANCIS WILLARD,
HOWARD HAMBLET COOK,
JOSIAH EDWARD SPURR,
JOHN GODDARD HART,
JOHN IRA COCHRANE,
MAURICE HENRY EWER,
FRANK LESTER YOUNG,
ROBERT WILLIAM HUNTER,
THRESHER AMES RIPPEY,
SIDNEY MILLER BALLOU,
MURRAY AUGUSTUS BARTLETT,
PATRICK THOMAS CAMPBELL,
WALTER HOWARD CUSHING,
AMBROSE COLLYER DEARBORN,
WILLIAM OLIVER FARNSWORTH,
CHARLES HENRY LINCOLN,
FREDERICK PALMER KIDDER,
CHARLES EDWARD WHITMORE, JR.,
HENRY GREENLEAF PEARSON,
FRANK BERNARD GALLIVAN,
FREDERICK CHASE McLAUGHLIN,
WALTER CAZENOVE DOUGLAS, JR.,
FRED HOWES ANDERSON,
HUBERT GROVER SHAW,
GEORGE HOWARD KELTON,

Gambrill.
Price Greenleaf.
Price Greenleaf.
Price Greenleaf.
Price Greenleaf.
Price Greenleaf.
Price Greenleaf.
Class of 1802.
Bowditch.
Bowditch.
Bowditch.
Bowditch.
Bowditch.
Bowditch.
Matthews.
Farrar.
Bright.
Bright.
Bright.
Class of 1841.
Levina Hoar.
Hodges.
Hollis.
Browne.
Class of 1817.
Bassett.
Pennoyer.
Matthews.
Lowell.

Class of 1894.

GEORGE RAPALL NOYES,
EDWARD KENNARD RAND,
GEORGE CONVERSE FISKE,
ROBERT KENDALL SHAW,

Matthews.
Matthews.
Matthews.
Matthews.

HERBERT CONRAD LAKIN,
 HILLER CROWELL WELLMAN,
 MACY MILLMORE SKINNER,
 LINDSAY TODD DAMON,
 WILLIAM MACDONALD (Special Student),
 SAMUEL BURNHAM SHACKFORD,
 ALBERT EDWARD BAILEY,
 THOMAS FRANKLIN CURRIER,
 CHARLES FRANCIS MAURICE MALLEY,
 LOUIS ANTON ERNST AHLERS,
 JOHN RANDALL NICHOLS,
 GILBERT FRANCIS ORDWAY,
 JOSEPH WILLIAM CARR,
 ALLAN BRADSHAW FAY,
 DANIEL JOSEPH MULQUEENY,
 JOHN CLEMENT,
 WILLIAM READ BUCKMINSTER,
 ADALBERT HARDING,
 JOSIAH MOSES KAGAN,
 EVERETT CLIFTON ROCHE,
 MARSHALL WENTWORTH,
 GEORGE ROBINSON PHILBROOK,
 EDGAR JAMES BANKS,
 LEWIS DANA HILL,
 JOHN PIERCE FOX,
 JOHN EDWARD GILMAN, JR.,
 THOMAS JOHNSON CUSHING,
 ARTHUR REED PERRY,

Class of 1895.

JOHN GREEN, JR.,

Matthews.
 R. S. Choate.
 Matthews.
 Cudworth.
 Cudworth.
 Bowditch.
 Bowditch.
 Bowditch.
 Bowditch.
 Bowditch.
 Bowditch.
 Bartlett.
 Eliot.
 Kirkland.
 Lowell.
 Matthews.
 Sewall.
 Whiting.
 Whiting.
 Class of 1828.
 H. B. Rogers.
 Class of 1814.
 Bassett.
 Pennoyer.
 Pennoyer.
 Pennoyer.
 Merrick.
 Sewall.

Morey.

THE LAWRENCE SCIENTIFIC SCHOOL.

JAY BACKUS WOODWORTH,
 FREDERICK COLBY LUCAS,
 FREDERICK ARTHUR OLSSON,
 CHARLES HERRMAN,
 GEORGE GORDON,
 FREDERIC HARPER HOLMES,
 JUSTUS WATSON FOLSON,
 ARTHUR LINCOLN REAGH,
 WILLIAM CHARLES MOORE,

University.
 University.
 University.
 University.
 University.
 University.
 University.
 University.
 Normal School.

JASPER NEWTON DEAHL,	Normal School.
CHARLES WILSON MILLS,	Normal School.
GEORGE GRANT MCCURDY,	Normal School.
ALBERT SCOTT AMES,*	Normal School.
CHARLES CRAWFORD WILSON,	Normal School.

THE MEDICAL SCHOOL.

JOHN ELIJAH LOVELAND,	Barringer.
JULIO SELVA,	Barringer.
JAY BERGEN OGDEN,	Faculty.
CHARLES BENJAMIN STEVENS,	Faculty.
THERON HARLOW CARTER,	Faculty.
HENRY LINCOLN HOUGHTON,	Faculty.
CHARLES LOUIS MIX,	Cheever.
FRANCIS PIERCE SILVA,	Foster Gratuity.
ALFRED HERMAN LINDSTRÖM,	Foster Gratuity.

THE DIVINITY SCHOOL.

(Appointments for 1890-91.)

Williams Fellowship.

THEOPHILUS HUNTINGTON ROOT.

Edward Hopkins's Students of Divinity.

HENRY ROLFE BAKER.	JOHN CARROLL PERKINS.
EDWIN VICTOR BIGELOW.	SAMUEL FOSTER MCCLEARY, JR.
WILLIAM ROSWELL COLE.	FRANK ALBERT GILMORE.

Scholarships.

LYMAN MEVIS,	Jackson.
ULYSSES GRANT BAKER PIERCE,	Jackson.
FRANK WRIGHT PRATT,	Jackson.
FREDERICK GILL,	Jackson.
EDWIE CHARLES HEADLE,	Chapman.
CARL GEORG HORST,	Cary.
NARIAKI KOZAKI,	Cary.
HENRY THOMAS SECRIST,	Clapp.
CHARLES TILDEN SEMPERS,	N. Kendall.
WALTER ALEXANDER TAYLOR,	J. H. Kendall.

AWARDS OF PRIZES. 1890-91.

Bowdoin Prizes.

I.

To CURTIS HIDDEN PAGE, of the class of 1890, a prize of \$100 for a dissertation on *The Present Stage of the Homeric Question*.

To GEORGE JAMES PEIRCE, of the class of 1890, a prize of \$100 for a dissertation on *Adaptation to Surroundings Displayed in Seeds and Fruits*.

To FRANCIS KINGSLEY BALL, of the class of 1890, a prize of \$100 for a translation into Latin of No. 15 of "*The Mirror*" (selection).

II.

To CHARLES HENRY CONRAD WRIGHT, of the Senior Class, a prize of \$100 for a dissertation on *The Influence of Contemporary French Literature upon that of England and America during the past Fifty Years*.

To HARVEY HUMPHREY BAKER, of the Senior Class, a prize of \$75 for a dissertation on *A Comparison of the Legislative Systems of the United States and England*.

III.

To HUGH TALLANT, of the Senior Class, a prize of \$50 for a dissertation on *The Antiquity of the Art of Writing among the Greeks*.

IV.

To JUSTUS WATSON FOLSOM, a second-year student of the Lawrence Scientific School, a prize of \$100 for a dissertation on *Adaptation to Surroundings Displayed in Seeds and Fruits*.

JUDGES.

Classes I. and II. : Asst. Professor TAUSSIG, Professor H. W. HAYNES, H. W. PUTNAM, Esq.

Class III. : Professor F. D. ALLEN, Dr. F. B. TARBELL, Dr. H. FOWLER.

Class IV. : Mr. B. M. WATSON, JR., Mr. C. E. FAXON.

Chauncey Wright Prize.

Not awarded in 1890-91.

Dante Prize.

Not awarded in 1890-91.

Sargent Prize.

TO GEORGE ROBINSON PHILBROOK, of the Freshman Class, a prize of \$100 for a metrical version from *Horace*.

JUDGES:—MR. EPES S. DIXWELL, Professor KITTEDGE, MR. W. C. LANE.

The Toppan Prize.

Not awarded in 1890-91.

The Sumner Prize.

TO ROBERT LINCOLN O'BRIEN, of the Senior Class, a prize of \$100 for a dissertation, *An historical sketch of the spread of the doctrine of immunity of private property at sea, and a consideration of its tendency to promote peace*.

JUDGES:—HON. JOHN LOWELL, Professor C. F. DUNBAR, Dr. FREEMAN SNOW.

The George B. Sohler Prize.

TO CURTIS HIDDEN PAGE, of the class of 1890, a prize of \$250 for an honor thesis on *The Influence of Diderot on German Literature*.

JUDGES:—Professor NASH, Asst. Professors DE SUMICHRAST and KITTEDGE.

Boylston Prizes.

First Prizes.

TO JOHN CUMMINGS, Senior.

TO JOHN LOCKWOOD DODGE, Senior.

Second Prizes.

TO EUGENE AUSTINELLA, JR., Junior.

TO FRANCIS PARKMAN DENNY, Senior.

TO HENRY STAPLES POTTER, JR., Junior.

JUDGES:—EDWIN H. ABBOTT, Esq., Professors F. W. PUTNAM, G. H. PALMER, J. W. WHITE, E. EMERTON, E. L. MARK, L. B. R. BRIGGS, Dr. D. A. SARGENT, Dr. F. B. GODDARD, Asst. Professor S. WILLISTON.

Deturs.

In 1890-91 Deturs were given to the following students:—

Class of 1891.

HARRY WHITE.

Class of 1892.

GARDINER HUBBARD SCUDDER. ERNEST HIGGINS JACKSON.
DAVID TAGGART CLARK.

Class of 1893.

DAVID SAVILLE MUZZEY.	CIPRIANO ANDRADE, JR.
GEORGE FREDERICK SIBLEY.	MAURICE HENRY EWER.
ROBERT GRAY DODGE.	JOHN GODDARD HART.
BILLINGS LEARNED HAND.	HENRY GREENLEAF PEARSON.
FREDERICK GIBBS JACKSON.	FREDERICK TOWNSEND, JR.
WILLIAM VAUGHN MOODY.	LORENZO WEBBER.
HENRY WARE.	PHILIP BECKER GOETZ.
HENRY FRANCIS WILLARD.	FREDERICK WILLIAM DALLINGER.
GORDON KNOX BELL.	JOHN IRA COCHRANE.
HOWARD HAMBLET COOK.	ALFRED FRIEDLANDER.
CHARLES LOWELL YOUNG.	WILLIAM LUCE.
SIDNEY MILLER BALLOU.	GEORGE ALFRED PAGE.
JOHN HENRY HARWOOD.	THRESHER AMES RIPPET.
HENRY ORLANDO MARCY, JR.	FREDERICK WINSOR.
RALPH CLINTON LARRABEE.	

GENERAL SUMMARY.

Government, Teachers and other Officers.

PRESIDENT AND FELLOWS	7
OVERSEERS	32
TEACHERS :—	
Professors	74
Assistant Professors	26
Lecturers	13
Tutors	2
Instructors	91
Demonstrators and Assistants	47
Whole number of Teachers	253
PREACHERS	5
CURATORS AND LIBRARY OFFICERS	11
PROCTORS AND OTHER OFFICERS	37

Students.

I. FACULTY OF ARTS AND SCIENCES :—

1. COLLEGE :—

Senior Class	271
Junior Class	304
Sophomore Class	331
Freshman Class	381
Special Students	169
	<hr/> 1456

2. SCIENTIFIC SCHOOL :—

Fourth-Year Students	7
Third-Year Students	9
Second-Year Students	13
First-Year Students	19
Special Students	70
	<hr/> 118

3. GRADUATE SCHOOL :—

Resident Students	176
Non-Resident Students	13
	<hr/> 189

Whole Number of Students in Faculty of Arts and Sciences, 1763

II. DIVINITY SCHOOL:—		
Resident Graduates	11	
Senior Class	4	
Middle Class	6	
Junior Class	12	
Special Students	6	
III. LAW SCHOOL:—		39
Third-Year Students	48	
Second-Year Students	112	
First-Year Students	142	
Special Students	61	
IV. MEDICAL SCHOOL:—		363
In Courses for Graduates	11	
Fourth Class	34	
Third Class	69	
Second Class	114	
First Class	171	
V. DENTAL SCHOOL:—		399
Third-Year Students	13	
Second-Year Students	16	
First-Year Students	22	
VI. SCHOOL OF VETERINARY MEDICINE:—		51
Third Class	6	
Second Class	4	
First Class	17	
Special Students	4	
VII. BUSSEY INSTITUTION	14	
Whole Number of Students	2660	
Deduct for names inserted more than once	2	
		2658
SUMMER COURSES:—		
Chemistry	58	
Botany	20	
Geology	34	
Physics	34	
Field Engineering	12	
English	18	
German	12	
French	9	
Anglo-Saxon	4	
Physical Training	95	
Courses at the Medical School	64	
	355	
Deduct for names inserted more than once	4	
		351

DIRECTORY

OF OFFICERS AND STUDENTS IN ALL DEPARTMENTS OF THE UNIVERSITY.

. The italic letter following the name indicates to what department of the University the student belongs:—*B.*, Bussey Institution; *C.*, College; *Dn.*, Dental School; *Div.*, Divinity School; *G.*, Graduate School; *L.*, Law School; *M.*, Medical School; *S.*, Scientific School; *V.*, School of Veterinary Medicine. *A. O.* stands for Astronomical Observatory, *M. Z.* for the Museum of Comparative Zoölogy, and *P. M.* for the Peabody Museum.

The numbers 1, 2, 3, and 4, preceding these letters, indicate the Freshman, Sophomore, Junior, and Senior Classes respectively in College, or the first, second, third, and fourth years in the Schools. *s.* means special student.

Addresses followed by an asterisk (*) are in Boston; all others are in Cambridge, unless stated to be elsewhere. It will be noticed that the number *precedes* the name of a street, but *follows* the name of a building.

The addresses of students in the Medical School are given in most cases; but mail matter may be sent to any Medical student addressed Harvard Medical School, Boston, Mass.

Any discrepancy which may exist between the addresses as given in this Directory and in the former part of the Catalogue arises from the fact that changes were made after the first part of the Catalogue was in press. The addresses, as given here, are in all cases the later ones.

. For abbreviations, see p. 11.

Abbé, C., 2C.	D. H. 3.	Ahlers, L. A. E., 2C.	T. 20.
Abbe, F. R., 1M.		Albee, S. R., 2L.	30 Essex.
54 Pleasant St., Dorchester.		Alden, J., 3C.	H'ke 17.
Abbé, T., 1C.	D. H. 3.	Aldrich, H. M., 2L.	228 Newbury.*
ABBOT, E. S., <i>Asst.</i>	Larch St.	Aldrich, M. A., 1sC.	45 Walnut Ave.*
Abbot, P. S., 2L.	1 Follen.	Alexander, R. P., 4C.	44 Langdon.
Abbott, E. H., 3C.	H. 8.	Alford, E. B., 2C.	M. 47.
ABBOTT, L., <i>Preacher</i> ,		Allen, F., 3C.	25 Holyoke.
56 Willow St., Brooklyn, N.Y.		ALLEN, F. D., <i>Prof.</i>	10 Humboldt.
Achard, H. J., 3M.	10 Dundee.*	Allen, H. R., 4C.	M. 33.
Adams, A., 3S.	W. H. 41.	Allen, H. S., 1S.	36 North Ave.
Adams, B. H., 2L.	Little's 31.	Allen, H. V. D., 1C.	2 Phillips Pl.
ADAMS, C. A., <i>Instr.</i>	32 Mellen.	Allen, J., 4C.	T. 64.
ADAMS, C. F., <i>Overseer</i> ,	Quincy.	Allen, T. F., 1C.	1734 Cambridge.
Adams, C. F., 2d, 3L.	17 Dunster.	Allen, W. H., 1M.	Mansfield.
Adams, C. S., 1M. Box 188, Bedford.		Allis, G., 1C.	Hilton 16.
Adams, E. B., 4C.	T. 6.	Allison, W. H., 3C.	11 Humboldt.
Adams, E. L., 1C.	68 Mt. Auburn.	Almy, A. P., 1M. Hotel Huntington.*	
Adams, I. S., 1C.	20 Holyoke.	Alter, A. A., 4C.	52 Mt. Auburn.
ADAMS, J. Q., <i>Fellow</i> ,	23 Court.*	Ames, A. S., 1sS.	46 North Ave.
Adams, S., 4C.	S. 30.	Ames, F., 4C.	W. 22.
Adams, W. S., 3C.	Read's 22.	AMES, F. L., <i>Fellow</i> ,	
Adler, I., 2L.	H'ke 24.	96 Ames Building.*	
Adler, S. L., 1L.	H'ke 24.	AMES, J. B., <i>Prof.</i>	11 Frisbie Pl.
AGASSIZ, A., <i>Curator of M. Z.</i>		Ames, J. W., 4C.	G. 51.
	36 Quincy.	Ames, W., 1C.	Manter 8.
Agassiz, R. L., 4C.	Hilton 39.	Amory, I., 3C.	8 Holyoke.
Aguilar, R., sS. and B.	104 Mt. Auburn.	Anderson, A. W., 2L.	13 Mt. Auburn.

- Anderson, F. H., 3C. Wakefield.
 Anderson, G. B., 1G. 861 Main.
 Anderson, W. P., 4C. M. 6.
 Andrade, C., 4C. 14 Oxford.
 Andrews, W. S., 1sC. Warland 12.
 Angell, J. R., 1G. 5 Felton.
 Angier, E. H., 2sC. 5 Felton.
 Apsey, A. S., 3C. 11 Cogswell Ave.
 Arnold, C. H., 4C. T. 64.
 Arnold, E. E., 2Dn. 223 W. Canton.*
 Arnold, E. K., 1C. 10 Frisbie Pl.
 ARNOLD, G. A., *Asst. in Law*
Library, 713 Cambridge.
 Arnold, J. D., 2C. Felton 19.
 ARNOLD, J. H., *Librarian*
of Law School, 10 Frisbie Pl.
 Ash, J. H., 2M. Harv. Med. Sch.*
 Ashley, F. M., 1Dn.
 6 Sever St., Charlestown.
 Ashton, J. N., 1G.
 336 Essex St., Salem.
 Atherton, P. L., 3C. H. 8.
 Atkins, H. F., 1L. 15 Avon.
 Atkinson, R. T., 2C. 739 Cambridge.
 Atwood, B. R., 2C. D. H. 5.
 Auerbach, J. T., 2L. 20 Trowbridge.
 Aulick, R. O., 2L. 2 Holmes Pl.
 Ayer, C. W., 5G. T. 68.
 Ayer, W., 3C. Hilton 12.
 Babbitt, F. C., 2G. M. 26.
 Bach, E. S., 1C. 44 Brattle.
 Bacheller, W. P., 2C. C. 22.
 Bacon, C. E., 1C.
 58 Woburn St., W. Medford.
 Bacon, F. W., 2L. 760 Cambridge.
 Bacon, L., 2C. 896 Main.
 Bacon, N. S., 1C.
 27 Harris St., No. Cambridge.
 BACON, R., *Overseer,* 38 State.*
 Bacon, R., 2C. Felton 31.
 BADGER, H. C., *Curator of Maps,*
 D. 41.
 Bailey, A. E., 2C. C. 52.
 Bailey, F. H., 4G. 28 Putnam Ave.
 Bailey, G. G., 3M. Rowley.
 BAILEY, S. I., *Asst.*
 29 Mt. Pleasant St., No. Cambridge.
 Bailey, W. A., 3C. H'y 5.
 Bailey, W. C., 2C.
 72 Mt. Vernon St., E. Somerville.
 Baker, C. H., 1C. Warland 15.
 Baker, H. H., 1L. G. 16.
 Baker, M., sS. Felton 15.
 Baker, M. E., sDv. 69 Oxford.
 Baker, Walter F., 3C. Little's 27.
 Baker, William F., 2C. 94 Prescottt.
 BAKER, W. H., *Prof.* 22 Mt. Vernon.*
 Bakewell, C. M., 1G.
 735 Cambridge
 Balch, F. G., 4M. Mass. Gen. Hosp.*
 Baldwin, C. C., 3C. Manter 3.
 Baldwin, H. T., 1M.
 Chestnut Hill Ave.*
 Baldwin, J. D., 3C. G. 18.
 Baldwin, R. C., 4C. M. 48.
 Ball, F. K., 2G. 13 Sumner.
 Ballou, H. M., 4C. 13 Claremont Pk.*
 Ballou, S. M., 3C. 13 Claremont Pk.*
 Bancroft, A. W., 1S. C. 45.
 BANFIELD, F. E., *Instr.*
 283 Dartmouth.*
 Bangs, F. R., 1L. 52 Brattle.
 Bangs, W. S., 4C. C. 12.
 Banks, E. J., 2C. 13 Sumner.
 Bannon, B. J., 1M. 32 Union Pk.*
 Bar, W. C., 2L. 14 Shepard.
 Barber, M. A., 4C. 17 Mellen.
 Barbey, H. G., 2C. Beck 7.
 Barbour, G. T., 2L. 423 Broadway.
 Bard, A. S., 3L. 1716 Cambridge.
 Bardeen, C. R., 3C. W. 2.
 Barker, N. A., 1C. 48 Linnaean.
 Barlow, C. L., 3C. 24 Holyoke.
 Barlow, R. S., 1L. 52 Brattle.
 Barnes, C. B., 2L. 111 Marlboro'*.
 Barnes, F. H., 2M. 92 Chandler.*
 Barnes, H. A., 2sC. W. 32.
 Barnes, J. H., 1L.
 111 Trenton St., E. Boston.
 Barnes, P. T., B. Bussey Inst.*
 Barnes, W. D., 1G. 52 Mt. Auburn.
 Barnett, J. F., 1L. 52a Kirkland.
 Barney, C. N., 1M. Read's 8.
 Barney, G. L., 2M. Read's 8.
 Barnum, S., 1C. D. 25.
 Barr, L., 4C. Little's 24.
 Barrell, C. S., 1S. C. 50.
 Barret, A. G., 2L. 739 Cambridge.
 Barss, J. E., 4C. 1586 Cambridge.
 Bartholomay, H., sL. 17 Mt. Auburn.
 Bartlett, F. H., 1C. 9 Story.
 BARTLETT, G. A., *Asst. Prof.*
 and *Regent,* Beck 26.
 Bartlett, G. G., 1C. M. 27.
 Bartlett, M. A., 3C. W. H. 22.
 Bartlett, W. L., 4C. C. 48.
 Bass, C. A., 1V. 837 Main.
 Bass, J. F., 1L. 59 Brattle.

- Bass, L., 3C. W. H. 21.
 Batchelder, G. L., 4C. W. 8.
 Batchelder, S. F., 3C. W. 2.
 Batchelder, W. B., 1M. 14 Bower.*
 Bateman, F. E., 1M. 17 Parker St., Charlestown.
 Bates, C. T. R., 4C. H'ke 2.
 Bates, H. W., 3C. Quincy 1.
 Bates, J. E., 1G. 19 Church.
 Bates, W. N., 2G. 56 Dana.
 Bathrick, H. A., 1C. C. 68.
 Battelle, H. M., 2C. G. 26.
 Battelle, S., 1C. 30 Holyoke.
 Battle, W. J., 2G. M. 35.
 Baxter, C. S., 4C. M. 50.
 Beach, W. G., 1G. 74 Sacramento.
 Beal, B. A., 3L. 104 Beacon.*
 Beal, W. F., 2C. 9 Bow.
 BEALE, J. H., Lect. 5 Tremont.*
 Beals, A. L., 1M. 389 Main St., Brockton.
 Beals, G., 2C. H'ke 38.
 Beals, R. B., 2C. W. 23.
 BEAMAN, C. C., Overseer, 52 Wall St., New York, N. Y.
 Beard, I. M., 1C. D. 39.
 Beardsley, C., 4C. H. 14.
 Bechhold, M., 1C. 96 Ellery.
 BECKETT, E. C., Instr. and Supt. of Vet. Hosp. 50 Village.*
 Beckwith, C. H., 2C. C. 15.
 Beebe, A. A., 2C. W. 23.
 Beecher, H. C., 2sC. 378 Harvard.
 Belden, C. F. D., 1sC. 69 Oxford.
 Bell, G. K., 3C. W. H. 53.
 Bell, J. H., 2C. Little's 22.
 Belliveau, J. B., 1Dn. 48 Walton Pk., Melrose.
 Benbow, J. L., 2C. 19 Hilliard.
 BENDELARI, G., Instr. H. 7.
 Benedict, E., 1C. T. 5.
 Benedict, F. G., 3sC. 150 Huntington Ave.*
 Benner, A. R., 4C. T. 57.
 Bennett, E. M., 3C. F. 4.
 Bennett, F. S., 2M. Chestnut Hill Ave., Brighton.
 Bennett, G. B., 3sC. 5 Shepard.
 Bennett, J. H., 2C. F. 4.
 Benshimol, M., 1C. 510 Cambridge.
 Benson, A. E., 4C. 102 Mt. Auburn.
 Bent, N., 1C. 52 Concord Ave.
 Bentley, D. W., 1sC. 25 Holyoke.
 Bergengren, R. W., 3C. M. 3.
 Berle, A. A., 1gr Dv. Brighton.
 Berry, E. S., 2L. 413 Broadway.
 Berry, H. N., 3C. W. H. 48.
 Berry, L. F., 1Dv. 413 Broadway.
 Berry, S., 4S. W. 9.
 Bettman, A., 2C. 10 Mellen.
 Betts, L. F. H., 1L. 12 Appian Way.
 BETTS, L. H., Recorder at Gymnasium, 13 Walden.
 Bever, L. R., 1S. 40 North Ave.
 Bicknell, W. H., 3M. No. Weymouth.
 Bigelow, E. A., 2L. 896 Main.
 Bigelow, L. M., 1C. 63 Sparks.
 Bigelow, W. R., 3L. H. 26.
 Billings, A. W. K., 1C. 2 Clinton.
 Billings, E. F., 3C. W. H. 14.
 Billings, W. C., 2M. Springfield.
 Binder, M., 1C. 44 Mt. Auburn.
 Bingham, N. W., 1C. M. 56.
 Bisbee, R., 3C. M. 20.
 Bishop, E. B., 2C. Little's 3.
 Bishop, F. C., 1C. 894 Main.
 Black, D. F., 2C. 12 Kirkland Pl.
 Blagden, D., 3C. 9 Linden.
 Blake, C. A., 3C. H. 13.
 BLAKE, C. J., Prof. 226 Marlboro'.*
 Blake, F. S., 3C. Beck 32.
 Blake, G. B., 3C. Beck 32.
 Blake, H. F., 3C. F. 3.
 Blake, R. P., 2C. H'y 2.
 Blaney, C. C., 1L. H'y 9.
 Blaney, C. P., 2L. 12 Remington.
 Blaustein, D., 3sC. C. 54.
 Bliss, C. A., 2sC. C. 48.
 Blodgett, C. H., 4C. S. 26.
 Blodgett, K., 1C. 7 Bow.
 Bloss, E. B., 2C. T. 61.
 Boardman, E. G., 1L. 40 North Ave.
 Boardman, W. D., 4C. Shepherd 11.
 BOARDMAN, W. E., Instr. 184 Boylston.*
 Bôcher, F., Prof. 12 Holyoke Pl.
 Bôcher, M., Instr. 10 Concord Ave.
 BOLLES, F., Secretary, 6 Berkeley.
 Bolman, F. D., 1sC. C. 60.
 BONAPARTE, C. T., Overseer, 216 St. Paul St., Baltimore, Md.
 Bond, C. T., 2C. H'ke 13.
 Boos, W. F., 2C. W. 12.
 Borden, S., 2C. T. 17.
 Bordman, J., 2C. Concord Junction.
 Bosler, F. C., 1C. Quincy 11.
 Bottomly, J. T., 1M. 81 Chandler.*

- BOWDITCH, H. P., *Prof. and Dean of Med. Fac.* Jamaica Plain.
 Bowers, H. A., 1 L. 31 Hudson.
 Bowersock, J. D., 4 C. 45 Trowbridge.
 Bowie, A. J., 3 C. W. H. 5.
 Bowler, R. P., 3 C. 5 Linden.
 Bowles, R. H., 3 C. C. 31.
 Bowser, C. B., 1 C. Walker Ct., Wakefield.
 Boyd, W. C., 2 M. 82 Clarendon.*
 Boyden, A., 2 C. M. 89.
 Boyden, A. J., 1 C. M. 89.
 Boyden, C. W., 1 S C. 7 Felton.
 Boyer, H., 1 S C. 3 Norfolk.
 Boyle, A. J., 1 M. 72 Huntington Ave.*
 Boynton, E. D., 2 M. 94 Chandler.*
 Boylston, J., 1 Dn. 87 Green.
 Brabrook, G. H., 3 C. Little's 11.
 BRACKETT, C. A., *Prof.*
 102 Touro St., Newport, R. I.
 BRADFORD, E. H., *Instr.*
 149 Newbury.*
 Bradlee, E. C., 2 C. M. 60.
 Bragg, F. A., 2 M. 239 Prospect.
 Brandenstein, H. U., 2 L. 17 Yarmouth.*
 Brandt, F. B., 4 C. S. 18.
 Breckinridge, J. C., 2 S C. 736 Cambridge.
 Brehaut, J. W., 4 C. 1586 Cambridge.
 Bremer, T. G., 4 C. Little's 13.
 Brennan, J. W., 1 C. 15½ Shepard.
 Brereton, H. E. H., B. Bussey Inst.*
 Brewer, C., 3 C. W. H. 13.
 BREWSTER, F., *Instr.* 39 Court.*
 Brewster, G. W. W., 3 M. Glen Road, Jamaica Plain.
 Brewster, J. A., 1 C. S. 23.
 Brewster, W. T., 4 C. M. 59.
 Brice, S. M., 2 C. Beck 36.
 Brice, W. K., 1 C. Beck 36.
 Briggs, A. P., 4 C. T. 37.
 BRIGGS, E. C., *Asst. Prof.*
 125 Marlboro'.*
 BRIGGS, L. B. R., *Prof. and Dean of Harv. Coll.* 140 Brattle.
 Briggs, W. M., 1 C. W. H. 3.
 Brigham, A. P., 1 G. 10 Mellen.
 BRIMMER, M., *Fellow*, 47 Beacon.*
 Brookfield, H. M., 2 C. 20 Holyoke.
 Brookings, W. D. B., 1 C. Warland 14.
 Brooks, A. H., 1 S S. 11 Mason.
 Brooks, A. H., 1 L. 5 Ash.
 Brooks, A. M., 2 C. H'ke 47.
 Brooks, C. T., 1 L. 94 Prescott.
 Brooks, F. H., 1 L. 60 Brattle.
 Brooks, L., 1 L. H. 9.
 Brooks, L., 1 S L.
 Brooks, W., 1 C. 289 Harvard.
 Brotherton, C. J., 4 C. 373 Harvard.
 Broughton, A. N., 3 C. G. 40.
 BROUILLET, G. A., *Demonstr.*
 571 Columbus Ave.*
 Brousseau, W. G., 1 C. 184 Friend.*
 Brown, C. N., 1 G. H. 11.
 Brown, E., 1 C. W. 47.
 Brown, F. W., 1 L. H'y 9.
 Brown, G. E., 1 S C. 6 Story.
 Brown, G. F., 4 C. Hilton 3.
 Brown, H. A., 1 M. 112 Dartmouth.*
 BROWN, H. F., *Asst.* (also 2 G.) S. 12.
 Brown, H. H., 1 V., 54 Poplar St., Melrose.
 Brown, H. T., 1 C. D. 17.
 Brown, H. W., 1 C. H. 31.
 Brown, J. S., 4 C. W. 38.
 Brown, M. D., 1 M. 16 Huntington Ave.*
 Brown, P. T., 3 C. 48 Brattle.
 Brown, W. D., 4 C. W. H. 11.
 Brown, W. F., 4 C. H'ke 1.
 Brown, W. G., 1 G. C. 55.
 Brown, W. J., 4 C. G. 2.
 Browne, A. T., 3 C. W. 58.
 Bruegger, C. J. F., 4 C. M. 32.
 Bruen, H., 2 S. Manter 5.
 Brumbaugh, M. G., 1 S C.
 Bryant, E. L., 1 C. H. 31.
 Bryant, E. S., 2 Dn. Brockton.
 BRYANT, W. S., *Asst.* 111 Beacon.*
 Buck, S. B., 1 C. C. 57.
 BUCKINGHAM, E., *Asst.* 18 Story.
 BUCKINGHAM, E. M., *Instr.*
 53 Worcester.*
 Buckley, W., 1 V. 19 Virginia St., Somerville.
 Buckminster, W. R., 2 C. G. 10.
 Bugbee, D. J., 2 S C. C. 54.
 Bull, H. A., 1 C. Felton 36.
 Bullard, A. W., 1 C. 97 Pembroke.*
 Bullard, S. E., 2 M. 149 Beacon.*
 Bullock, C., 2 C. W. 6.
 Bunker, C. A., 3 L. C. 21.
 Burbank, J. C. B., 2 G. 736 Cambridge.
 Burbank, R. A., 1 S L. 465 Broadway.
 Burden, E. D., 1 M. 14 Worcester Sq.*
 Burden, J. A., 2 C. 9 Bow.

- Burditt, G. L., 3*S*. 31 Lee.
 Burgess, E. P., 2*L*. Little's 31.
 Burgess, F., 1*C*. 1 Hotel Worcester.*
 Burgess, G. E., 3*C*. Read's 18.
 Burke, E. G., 3*C*. H. 16.
 Burke, W. E., 1*C*. H. 16.
 Burleigh, L. A., 1*L*. 1686 Cambridge.
 Burleigh, P. P., 2*L*. Felton 27.
 Burling, E. B., 1*L*. T. 68.
 Burlingham, F. W., 1*L*. Little's 16.
 Burnap, C. E., 3*S*. W. 25.
 Burnham, A. C., 2*L*. 68 Inman.
 Burnham, A. S., 3*Dn*. Gloucester.
 Burnham, E. A., 2*M*. 126 Mt. Auburn.
 Burnham, E. B., 1*M*. So. Essex.
 Burnham, G. E., 1*S*. 137 Mt. Auburn.
 Burr, A. E., 1*L*. T. 46.
 Burrage, W. S., 4*C*. 10 Fayette.
 BURRELL, H. L., *Instr.* 22 Newbury.*
 Burrows, P. F., 3*C*. T. 47.
 Burt, E. A., 3*C*. Howland St.
 Busch, C. V., 1*S*. 69 Oxford.
 Bush, W. T., 1*G*. 96 Ellery.
 Butler, C. S., 3*C*. W. 46.
 Butler, H. F., 4*C*. W. 24.
 Butler, W. A., 1*C*. 29 Crescent.
 Butler, W. J., 2*S*. 52A Kirkland.
 Buxton, W. R., 2*S*. 70 Wallace.
 BYRLEY, W. E., *Prof.* 39 Hammond.
 Byrnes, T. J., 1*M*. 2 Oxford Terrace.*
 Cabeen, C. W., 1*G*. 56 Mt. Auburn.
 CABOT, A. T., *Instr.* 3 Marlboro'.*
 Cabot, F., 4*M*.
 McLean Asylum, Somerville.
 Cabot, F. P., 2*L*. G. 32.
 Cabot, G. L., 1*G*. 15 Brewster.
 Cabot, H., 2*C*. H'ke 12.
 Cabot, P., 2*C*. 30 Holyoke.
 Cabot, R. C., 3*M*. 24 Marlboro'.*
 Cabot, S. P., 3*C*. G. 32.
 Cabot, W. M., 2*C*. H'ke 8.
 Caffey, F. G., 1*G*. C. 55.
 Cahill, J. T., 1*M*.
 Andrew St., Jamaica Plain.
 Cahn, A. L., 2*C*. Hilton B.
 Cahn, L. M., 1*S*. 125 Mt. Auburn.
 Calder, A. W., 1*M*. 33 St. James Ave.*
 Calhane, D. F., 2*C*. D. H. 2.
 Call, C. H., *grM*. Brockton.
 Calvert, S., 2*G*. 7 Orchard.
 Cameron, W. H., 1*C*. M. 54.
 Camill, R. E., 1*M*.
 Wachusett St., Jamaica Plain.
 Campbell, E. C., 4*C*. 58 Hammond.
 Campbell, F., *sC*. 42 Langdon.
 Campbell, F. B., 1*S*. 16 Oxford.
 Campbell, G. A., 1*G*. 56 Mt. Auburn.
 Campbell, J. H., 1*V*.
 14 Baldwin St., Charlestown.
 Campbell, P. T., 3*C*.
 11 Everett St., E. Boston.
 Campbell, R., 1*S*. 16 Story.
 Campbell, W. S., 3*C*. M. 50.
 Campbell, W. W., 1*G*. Concord Junc.
 Cannon, W. M., 1*G*. S. 16.
 Capen, R. T., 1*C*. G. 27.
 Carden, C. J., 1*M*.
 87 Barley St., Lawrence.
 CARDWELL, J. C., *Instr.*
 40 Dartmouth.*
 CAREY, A. A., *Instr.* 1 Brimmer.*
 Carleton, D., 2*M*. 7. Union Park.*
 Carleton, R., 2*M*. 7 Union Park.*
 Carman, A. B., 1*C*. 56 Mt. Auburn.
 Carney, T. F., 1*L*. W. 35.
 Carpenter, E. H., 3*C*. 7 Bow.
 Carr, F. F., 2*M*.
 Hammond St., cor. of Carver.
 Carr, J. W., 4*C*. D. H. 1.
 Carr, L. E., 1*C*. 40 Kirkland.
 Carroll, A. E., 1*S*. 18 Story.
 Carroll, E. F., 2*M*. Harv. Med. Sch.*
 Carson, W. H., 1*L*. 15 Shepard.
 Carter, A. P., 2*C*. T. 38.
 CARTER, B. E., *Proctor* (also 1*G*.)
 Warland 3,
 M. 8.
 Carter, C. M., 2*C*.
 Carter, R. I., 4*C*.
 Carter, T. H., 2*M*. 120 Appleton.*
 Cary, R. J., 2*L*. W. H. 10.
 Cary, W., 3*C*. W. H. 10.
 Cary, W. H., 2*C*. T. 89.
 Case, M. L., 2*S*. 11 Sumner.
 Cassatt, R. K., 1*C*. 68 Mt. Auburn.
 Cassidy, D. D., 1*S*. M. 18.
 Castle, K. B., 2*L*. 17 Mt. Auburn.
 Caswell, J., 1*C*. Hilton 30.
 Caswell, W. W., 1*C*. Read's 16.
 Cate, W. E., 1*C*. 423 Broadway.
 Catterall, R. C. H., 4*C*. T. 54.
 Cauthorne, E. E., 1*G*. D. 38.
 Cavanagh, C. R., 4*M*. Mattapan.
 Cavanagh, C. T., 1*L*. 1680 Cambridge.
 Chadwick, H. D., 1*M*.
 197 Charles St., Waltham.
 Chadwick, S. P. R., 4*C*. H. 10.
 Chamberlain, A. H., 1*C*.
 167 Brookline,

- Chamberlain, F. C., 1*L.*
167 Brookline.
- CHAMBERLAIN, G. A., *Asst.*
(also 1*G.*) 61 Oxford.
- CHAMBERLAIN, M., *Recorder*,
Quincy 5.
- Chamberlin, F. C., 1*L.* 42 Mt. Auburn.
- Chamberlin, H. H., 1*C.* Hilton 5.
- Chamberlin, L. W., 2*L.* 28 Chestnut.*
- Chandler, H. N., 4*C.* M. 8.
- CHANDLER, T. H., *Prof.* and
Dean of Dn. Sch. 161 Newbury.*
- Chaney, G. C., 2*C.* T. 42.
- CHANNING, E., *Asst. Prof.*
1 Brewster Pl.
- Chapin, A. L., 1*M.* Harv. Med. Sch.*
- Chapman, G., 3*C.* Read's 6.
- Chapman, L., 2*M.* 666 Tremont.*
- Chappell, T. E., 1*Dv.* 5 Hancock Pl.
- Chard, T. C., 2*L.* 60 Brattle.
- Chase, A. B., 3*M.*
20 Beacon Hill Ave., Lynn.
- Chase, A. M., 1*G.* 107 Lambert Ave.
- Chase, C. E., 1*sS.*
111 Maple St., Lynn.
- Chase, C. E. B., 3*Dn.*
10 Dean St., Everett.
- Chase, C. H., 3*C.* W. H. 43.
- Chase, F. H., 1*L.* M. 29.
- Chase, J. H., 1*C.* C. 34.
- Chase, R. F., 3*M.* 45 Concord Sq.*
- CHEEVER, D. W., *Prof.* 557 Boylston.*
- Cheney, C. P., 4*C.* H'y 3.
- CHENEY, F. E., *Instr.* Hotel Bristol.*
- Chester, F. D., 1*G.* Hotel Bristol.*
- Chew, S., 3*C.* Read's 18.
- Chicoine, I. H., 1*M.*
153 Broad St., Lynn.
- CHILD, F. J., *Prof.* 67 Kirkland.
- Child, F. S., 1*sC.* 67 Kirkland.
- Childs, E. H., 1*L.* 40 Kirkland.
- Childs, L. J., 1*sS.*
- Childs, S. W., 1*L.* 54 Garden.
- Chittenden, J. B., 3*G.*
7 Heuschestrass, Königsberg,
Germany.
- Christian, G. C., 1*C.* Quincy 12.
- CHRISTIE, F. A., *Lect.* 14 Sumner.
- Christopher, M., *sS.* 10 Appian Way.
- Church, E. B., 1*C.* 10 Oxford.
- Churchill, D., 3*C.* T. 67.
- CHURCHILL, J. W., *Instr.* Andover.
- Chute, A. L., 1*M.* 44 Clarendon.*
- Cilley, J. P., 1*L.* 24 Mt. Auburn.
- Clagstone, P., 3*C.* H'ke 5.
- Clap, E. W., 4*C.* 78 Mt. Auburn.
- CLAPP, D. M., *Clin. Lect.*
62 Trinity Terrace, Copley Sq.*
- Clapp, F. N., 1*C.* 473 Broadway.
- Clapp, G. I., 1*C.* H. 15.
- Clark, D. T., 4*C.* C. 64.
- Clark, E. E., 2*C.* 100 River.
- Clark, W., *sS.* 9 Linden.
- Clark, W. E., *sS.* 11 Wendell.
- Clarke, A. S. G., 3*C.* M. 44.
- Clarke, H. M., 2*L.* 918 Beacon.*
- Clarkson, C. F., 2*C.* W. 15.
- Clement, J., 2*C.* H. 27.
- Clendenin, W. W., 1*G.* D. 33.
- CLIFFORD, H. M., *Demonstr.*
198 Main St., Charlestown.
- Clifford, H. E., 2*G.* Mass. Inst. Tech.*
- Closson, C. C., 4*C.* M. 59.
- Clough, A. L., 1*G.* 190 W. Brookline.*
- CLOW, F. R., *Proctor* (also 1*G.*). T. 29.
- Cloyes, W. E., 2*sL.* Man. Tr. School.
- Clymer, W. B., 2*C.* 890 Main.
- Cobb, F. C., 3*M.*
Washington St., Dorchester.
- Cobb, F. W., 3*C.* Lawrence 34.
- Cobb, R., 4*C.* M. 24.
- Cobb, W. E., 2*C.* S. 28.
- Coburn, H. F., 2*sC.* 344 Harvard.
- Cochrane, A. L., 3*C.* Hilton 37.
- Cochrane, J. I., 3*C.* S. 16.
- Cochrane, W. S., 1*sS.* 11 Wendell.
- Cockrell, E., 1*C.* 10 Appian Way.
- CODMAN, C. R., *Overseer*,
15 Marlboro'.*
- Codman, E. A., 1*M.* 98 Mt. Vernon.*
- Codman, J., 4*C.* 52 Brattle.
- Cody, E. F., 2*M.* 12 E. Dedham.*
- Cody, M. J., 1*L.* Lexington.
- Coffin, E. R., 3*C.* W. H. 37.
- Coffin, F. B., 1*C.* 26 Garden.
- Coffin, H. R., 1*C.* M. 31.
- Coffin, R. A., 3*M.*
24 Huntington Ave.*
- Coggeshall, F., 4*M.* 17 Story.
- Coggeshall, G. W., 1*G.* 52a Kirkland.
- Cogswell, C. F., 3*M.*
87 Franklin St., Allston.
- Cogswell, G. P., 4*M.* 61 Kirkland.
- Cogswell, W., 2*M.*
7 Summer St., Salem.
- Cohn, S. H., 1*sC.* 6 Story.
- COLE, W. M., *Instr.* W. 7.
- Collamore, G., 3*C.* T. 88.

- Collie, G. L., 2*G*. 11 Wendell.
 Collin, C. O. L., 1*M*. 9 Appleton.*
 Collins, W. D., 1*C*.
 211 Upham St., Melrose.
 Commons, F. C., 4*C*. H. 18.
 Conant, E. B., 1*C*. T. 40.
 CONANT, W. M., *Demonstr.*
 252 Newbury.*
 Conger, A. L., 2*C*. Quincy 1.
 Conger, F. H., 1*sL*. 7 Brown.
 Conklin, R. E., 4*C*. 36 Mt. Auburn.
 Conlan, P. H., 4*C*.
 59 Thorndike St., E. Cambridge.
 Connolly, J. E., 1*C*. C. 58.
 Connolly, J. L. S., 3*C*.
 29 Cutter St., Somerville.
 Conro, A. C., 3*C*. C. 16.
 Converse, C. H., 1*G*. Hilton 18.
 Converse, F. S., 3*C*. W. H. 8.
 Cook, A., *sS*. T. 23.
 Cook, B., 4*C*. T. 23.
 Cook, C. A., 1*L*. 718 Cambridge.
 Cook, C. E., 3*C*. W. 18.
 Cook, F. C., 2*M*.
 U. S. Navy Yard, Charlestown.
 Cook, H. H., 3*C*. G. 34.
 Cook, J. S., 4*C*. H'y 24.
 Cook, R. B., 1*C*. 71 Appleton.
 Cooke, F. K., 2*C*. 96 Prescott.
 COOKE, J. P., *Prof.* 12 Ware.
 Cooke, J. W., 1*sC*. 64 Buckingham.
 COOKE, W. P., *Clin. Lect.*
 380 Dartmouth.*
 Cooley, A. W., 1*C*. Manter 7.
 Coolidge, H. J., 4*C*. 739 Cambridge.
 Coolidge, J. L., 1*C*. 739 Cambridge.
 Coolidge, J. N., 2*M*.
 240 Huntington Ave.*
 Coolidge, L., 2*C*. S. 12.
 COOLIDGE, T. J., *Overseer*, 60 State.*
 Coonley, A., 2*C*. W. H. 57.
 Coonley, J. S., 1*C*. W. H. 57.
 Copeland, W. R., 4*C*. 102 Appleton.
 Copp, A. B., 1*sL*. 140 Mt. Auburn.
 Corbett, J., 1*C*. 18 Kirkland Pl.
 Corbin, J., 4*C*. H'y 23.
 Corliss, W. F., 2*C*. S. 29.
 Cornellison, R. W., 1*G*. 378 Harvard.
 Cornelius, J. L., 2*Dv*. D. 34.
 Cornish, A. H., 1*C*. 9 Dana.
 Corson, H. C., 1*C*. 247 Pearl.
 Cosby, A. F., 2*C*. 52 Mt. Auburn.
 Costello, F. A., 1*M*.
 Bowdoin St., Dorchester.
 Costigan, G. P., 4*C*. 777 Main.
 Cotter, J. A., 3*C*. H. 6.
 Cotton, A. N., 1*sS*.
 23 Clinton St., Cambridgeport.
 Cotton, F. J., 2*M*. Harv. Med. Sch.*
 Cottrell, W. N., 3*C*. 65 Oxford.
 Coues, E. B., 2*sS*. H'y 1.
 Coues, R. W., 1*C*. 14 Ash.
 Coues, W. P., 2*M*. 14 Ash.
 Coughlin, D. J., 1*sC*. 47 Trowbridge.
 Courtney, H. S., 2*sL*. 9 Banks.
 Courtney, J. W., 2*M*.
 174 Cambridge St., E. Cambridge.
 Courtney, S. E., 3*M*. Harv. Med. Sch.*
 Covell, W. W., 4*C*. C. 19.
 Cowan, A. C., 1*sL*. 219 W. Newton.*
 Cowan, G., *grM*. 212 W. Canton.*
 Cowan, J. R., 1*M*. 212 W. Canton.*
 COWLES, E., *Clin. Instr.*
 McLean Asylum, Somerville.
 Cox, J. J., 1*L*. 11 Mason.
 Craig, D. H., 3*M*. Malden.
 Craig, F., 2*M*.
 38 Carpenter St., Providence, R. I.
 Crandell, A. R., 4*C*. M. 52.
 Crandon, L. R. G., 1*C*. C. 49.
 Crane, A. M., 2*C*. M. 41.
 Crane, C. H., 2*C*. 739 Cambridge.
 Crane, C. W., 2*Dn*. Beverly.
 Crane, E. R., 1*C*. 52 Brattle.
 Crapo, P. A., 1*sL*. 710 Cambridge.
 Cressey, P. H., 1*C*. Felton 30.
 Cressy, W. W., 4*C*. 9 Wendell.
 Crocker, P., 1*S*. 25 Holyoke.
 Crompton, G., 1*C*. Little's 8.
 Cromwell, S. L., 4*C*. Hilton 7.
 Cronon, P. J., 2*V*. Canton.
 Crosby, J., 1*L*. 18 Appian Way.
 Crosby, J. F., 2*C*. M. 1.
 Cross, A. L., 1*C*. C. 68.
 Crowley, J. H., 3*C*. 44 Mt. Auburn.
 Crowninshield, B. W., 2*C*. 7 Linden.
 Cruikshank, H. W., 1*M*. 41 Union Pk.*
 Culver, L. F., 2*C*. W. 45.
 Cummins, J. W., 4*C*. Shepherd 1.
 Cummings, A. G., 2*C*. D. 31.
 Cummings, A. M., 1*G*. W. 35.
 Cummings, C. K., 3*C*. 18 Plympton.
 Cummings, C. O., 2*Dn*. 6 Temple.*
 Cummings, C. R., 4*C*. W. 27.
 CUMMINGS, E., *Instr.* 19 Ware.
 Cummings, F. H., 1*C*. T. 60.
 Cummings, J., 1*G*. G. 35.
 Cunningham, B. F., 1*M*. 24 Hancock.*

- Cunningham, H. L., 1sC. 16 Gerry.
 Cunningham, J. H., 3M. 707 Main.
 CURRIE, T. H., *Asst.* Hilton 4.
 Currier, C. F. A., 5G.
 Mass. Inst. Tech.*
 Currier, F. J., 3C. W. H. 37.
 Currier, T. F., 2C.
 14 Sargent St., Dorchester.
 CURRY, S. S., *Instr.*
 100 Huntington Ave.*
 Curtice, W. E., 3Dn. Allston.
 Curtis, A. B., 1grDv. College Hill.
 Curtis, G. D., 3C. 68 Mt. Auburn.
 Curtis, G. S., 4C. W. H. 9.
 Curtis, P., 1C. Hilton 2.
 Cushing, G. M., 2C. 24 Holyoke.
 Cushing, H. W., 1M. 32 W. Cedar.*
 Cushing, T. J., 2C. M. 60.
 Cushing, W. H., 3C. C. 43.
 Cushman, C. A., 3L. 801 Main.
 CUTLER, E. G., *Instr.* 214 Beacon.*
 Cutler, G. W., 3M. Waltham.
 Cutler, H. A., 2C. 404 Harvard.
 Cutler, J. T., 2M.
 886 Washington St., Dorchester.
 Cutler, W. W., 1C. Warland 11.
 Dabney, F. L., 1L. 298 Beacon.*
 Daggett, F. J., 1L. 715 Cambridge.
 DAKIN, F. J. V., *Asst.* (also 3C.), G. 1.
 Daley, R. N., 1M.
 166 W. 7th St., So. Boston.
 Dallinger, F. W., 3C. 384 Broadway.
 Daly, R. F., 2M. 63 Carver.*
 Daly, W. J., 1M.
 22 W. Cottage St., Dorchester.
 Dalzell, W. S., 1L. 54 Garden.
 Damon, L. T., 2C. H'y 17.
 Damon, W. C., 4C. S. 11.
 Dana, R. S., 2C. 404 Harvard.
 Dane, E. B., 4C. 25 Church.
 Dane, J., 4M. Mass. Gen'l Hospital.*
 DANFORTH, A., *Deputy Treas.*
 Wadsworth 7.
 Daniels, R. A., 1M. 88 Mt. Vernon.*
 DANION, S., *Instr.* 126 Mt. Auburn.
 Darling, C. B., 1M. Woburn.
 Darling, E. A., 2M.
 199 W. Chester Park, Suite 3.*
 Darling, E. C., 3C.
 4 Orchard St., No. Cambridge.
 Davenport, C. A., 2M. Hilton 23.
 DAVENPORT, C. B., *Instr.* (also
 3G.), 8 Harris St., No. Cambridge.
 DAVENPORT, F. H., *Instr.* 5 Park Sq.*
 Davenport, I. W., 1G. 60 Wendell.
 Davenport, K. A., 3Dn.
 301 Columbus Ave.*
 Davies, J. T., 1L. 16 Oxford.
 Davis, A. A., 3M. 125 Pinckney.*
 Davis, A. F., 2sC. 45 Mt. Auburn.
 DAVIS, A. G., *Keeper of Corpo-*
 ration Records, 50 State.*
 Davis, F., 1S. Read's 14.
 Davis, G. A., 1S. 882 Main.
 DAVIS, H. A., *Asst.* (also 1L.),
 W. H. 52.
 Davis, L., 2C. M. 21.
 Davis, L. H., 4C. C. 11.
 Davis, O. G., 2sC. H. 24.
 Davis, P. W., 3C. 110 Irving.
 Davis, R. H., 1L. 110 Irving.
 Davis, S. C., 3C. W. H. 29.
 Davis, T. T., 2G. 852 Main.
 Davis, W. H., 3C. C. 29.
 DAVIS, W. M., *Prof.* 2 Bond.
 Dawsett, E., 2sL. Quincy 2.
 Day, A. M., 4C. M. 26.
 Day, N. B., 4C. H'y 8.
 Deahl, J. N., sS. 46 Mt. Auburn.
 Deal, G. F., 3M.
 10 Circuit Ave., Lynn.
 Dean, A. P., 2C.
 42 Harvard St., Medford.
 Deane, W. B., 1M. 22 Yarmouth.*
 Deans, H. C., 1M.
 1490 Washington.*
 Dearborn, A. C., 3C. H. 4.
 Dearborn, S. S., 2C. H'ke 31.
 DeCoster, H. W., 2M.
 Washington cor. Lyman, Lynn.
 DeLong, F. L., 2L. W. 40.
 DeLue, F. S., 3M.
 282 Dudley St., Roxbury.
 Dempsey, W. T., 1G. 56 Mt. Auburn.
 Denison, W. K., 1G. Newtonville.
 Dennett, J., 2M. 112 Dartmouth.*
 Dennis, J. H., 1M. 2 Oxford Terrace.*
 Denny, F. P., 1M.
 Upland Road, Brookline.
 DeNormandie, C. L., 3C. G. 14.
 Dent, L. L., 3C. 14 Sumner.
 Desbecker, L. E., 4C. W. 50.
 Desmond, C. F., 1M.
 2 Oxford Terrace.*
 Devereaux, E. M., 1sS.
 Metropolitan Ave., Roslindale.
 DEWART, F. W., *Proctor*
 (also 2G.), C. 56.

- Dewart, W. H., 1*G.* Lawrence Hall.
 Dewis, J. W., 1*M.* 79 Chandler.*
 DeWolf, H., 4*C.* 49 Oxford.
 Dexter, P., 3*L.* 896 Main.
 Dexter, S., 2*L.* Beck 5.
 Dibblee, A. J., 3*C.* W. H. 55.
 Dickerman, F. R., 2*Dn.* Taunton.
 Dickinson, A., 2*C.* 135 Washington.
 Dickinson, H. N., 1*G.* 61 Oxford.
 Dimmick, J. P., 3*C.* 50 Winthrop.
 Dingman, H. C., 1*sC.* W. H. 44.
 Dinsmore, W. B., 2*C.* Beck 2.
 Dodge, E. S., 1*C.* W. H. 47.
 Dodge, H. P., 4*C.* W. H. 30.
 Dodge, J. L., 1*L.* 66 St. James Ave.*
 Dodge, N. P., 1*C.* M. 23.
 DODGE, R. E., *Asst.* (also 2*G.*), S. 22.
 Dodge, R. G., 3*C.* W. H. 47.
 Dodsworth, C. O., 1*M.* 100 Myrtle.*
 Dolan, J. J., 3*C.* 50 W. Cedar.*
 Dole, C. T., 3*sC.* 404 Harvard.
 Dolliver, G. C., 1*M.* College Hill.
 Donahue, W. F., 2*M.*
 53 Warren Ave.*
 Doney, C. G., 2*Dr.*
 51 Trowbridge.
 Donnelly, J. B., 2*M.*
 84 Cambridge St., Charlestown.
 Donoghue, F. D., 1*M.*
 53 Warren Ave.*
 Donovan, W. E., 2*M.*
 165 So. Broadway, Lawrence.
 Doogue, W. A., 1*M.* 9 Emerald.*
 Dorman, F. A., 2*C.* 8 Appian Way.
 Dorr, F. B., 1*sC.* 45 Sacramento.
 Dorsey, G. A., 2*G.*
 Peru (care of Prof. F. W. Putnam,
 Cambridge).
 Doucette, A. E., *sS.* H. 18.
 Douglas, W. C., 3*C.* H'ke 48.
 Dow, C. H., 4*C.* T. 25.
 Dow, G. F., 4*C.* T. 63.
 Dow, H. A. T., 3*C.* H. 2.
 Dowd, E. A., 2*V.*
 12 Madison St., Roxbury.
 Dowling, J. J., 1*M.* 92 Worcester.*
 Downer, C., 3*L.* W. 21.
 Dows, T., 3*sC.* 60 Brattle.
 Draper, A. W., 1*V.*
 Canton Ave., Milton.
 Draper, C. M., 3*C.* M. 16.
 DRAPER, F. W., *Prof.*
 304 Marlboro'.*
 Dresel, E. L., 3*L.* 328 Beacon.*
 Dresser, F. F., 2*C.* W. 41.
 Dresser, H. W., 1*sC.* H'ke 46.
 Drew, B. L., 2*L.* 122 Oxford.
 Drew, F., 1*M.* 203 Huntington Ave.*
 Dreyfus, C., 1*C.* Felton 35.
 Driver, W. R., 1*C.* 890 Main.
 Drohan, J. H., 1*M.*
 525 Main St., Brockton.
 Drown, E. P., 2*M.*
 Hotel Prescott, Lynn.
 Duane, W. N., 4*C.* 96 Prescott.
 DuBois, W. E. B., 2*G.* 20 Flagg.
 Dudley, A. W., 1*M.* 200 Dartmouth.*
 Dudley, H., 1*C.* 24 Avon Hill.
 Duel, A. B., 2*M.* Harv. Med. Sch.*
 Duff, E. M., 2*G.*
 Belmont School, Belmont.
 Duff, J., 1*L.* 69 Mt. Auburn.
 Duffield, D. B., 3*C.* M. 11.
 Duffield, S. P., 4*C.* M. 11.
 DUNBAR, C. F., *Prof. and Dean of*
 Faculty of Arts and Sciences,
 14 Highland.
 Dunlap, C. B., 3*M.* 19 Church.
 Dunn, B. L., 1*sC.* Vernon St.
 Dunn, M., 2*C.* W. 18.
 Duntun, L. W., 1*C.* M. 19.
 Dupee, W. A., 2*C.* Little's 10.
 DuPont, A. I., 4*C.* W. 49.
 DuPont, L. C., 1*L.* 40 North Ave.
 DURGIN, S. H., *Lect.* 175 Newbury.*
 DWIGHT, T., *Prof.* 235 Beacon.*
 Dyer, A. S., 1*Dv.* 33 Kirkland.*
 Dyer, H. C., 2*C.* T. 28.
 Eagan, J. J., 1*M.*
 36 Midway St., Peabody.
 Earle, C. B., 2*C.* M. 21.
 Earle, D. O., 3*C.* M. 42.
 Earle, S. C., 1*C.*
 8 Franklin St., Somerville.
 EASTMAN, C. R., *Proctor* (also
 2*G.*), Read's 4.
 Easton, N. S., *sS.* W. H. 32.
 Eaton, F. G., 3*L.* W. 17.
 Eaton, F. W., 1*sC.* S. 2.
 Eaton, G. A., 4*C.* S. 2.
 Eaton, H. A., 3*C.* 362 Harvard.
 EDDY, F. G., *Instr.* 101 West-
 minster St., Providence, R. I.
 Eddy, F. S., 1*C.* H'ke 37.
 Eddy, H. B., 2*C.* 408 Harvard.
 Eddy, S. F., 1*C.* Hilton 22.
 Edes, A. W., 1*C.* 11 Mellen.
 Edes, R. E., 1*M.* 67 Pinckney.*

- Edgett, E. F., 1C.
39 Day St., Somerville.
- EDMONDS, J. R., *Asst.* 61 Garden.
- Edmonds, L., 3M. 36 Hanson.*
- Edmunds, G., 1C. 880 Main.
- Edson, C. E., 4M. City Hospital.*
- Edwards, J. L., 1L. Quincy.
- Edwards, S., 1L. 18 Trowbridge Pl.
- Edwards, W. L., 3M. 102 Beacon.*
- Eichinger, J. W., 3C. 36 Mt. Auburn.
- Ela, P. F., 1M. 32 Western Ave., Cambridgeport.
- Elkins, W. P., 1Dv. D. 6.
- ELIOT, C. W., *President*, 17 Quincy.
- Elliot, F. S., 1C. 59 Brattle.
- ELLIOT, J. W., *Asst.* 75 Marlboro'.*
- Ellis, D. A., 2C. Felton 35.
- Ellis, E. C., 1sC. 7 Sumner.
- Ellsworth, S. A., 1C. 32 Wendell.
- Ellsworth, S. W., 3C. T. 67.
- Elmore, S. D., 3sC. 473 Broadway.
- Elsas, B., 1L. W. H. 51.
- Emerson, H. C., 3M. 9 Billings Pk., Newton.
- Emerson, R. L., 2C. 395 Broadway.
- Emerson, W., 1C. 96 Prescott.
- EMERTON, E., *Prof.* 19 Chauncy.
- Emmet, R. G., 3C. Hilton 33.
- Emmons, R. W., 1C. H'ke 10.
- Emory, P. F., 1C. 68 Mt. Auburn.
- Emott, J. T., 1C. 1686 Cambridge.
- Endicott, A. L., 2C. M. 23.
- ENDICOTT, W. C., *Fellow*, Salem.
- Endicott, W. C., 1G. 23 Court.*
- Erb, T. C., 2M. 9 Pelham.*
- ERNST, H. C., *Instr.* 24 Greenough Ave., Jamaica Plain.
- Estabrook, H. K., 4C. 101 Washington Ave.
- Estep, H. W., 1Dn. 46 Florence.*
- Eustis, E. L., 2C. T. 56.
- Eustis, J. B., 2C. 20 Prescott.
- Eveleth, C. M., 1S. 18 Martin.
- EVERETT, C. C., *Prof., Dean of Div.* School, and *Preacher*, 53 Garden.
- Everett, E., 1C. Little's 2.
- Evins, S. H., 2sL. Felton 1.
- Evins, S. N., 2sL. Felton 1.
- EWALD, C. A., *Proctor* (also 2M.), Shepherd 14.
- Ewer, M. H., 4C. W. H. 42.
- Ewing, T., 2L. 14 Mellen.
- Fahnestock, H., 4C. Read's 26.
- Fairbank, K., 2L. Hilton 25.
- Fairbank, W., 1C. Hilton 28.
- Fairbanks, A. W., 2M. 15 Cortes.*
- Fairbanks, H. P., 2C. 18 Plympton.
- Fairchild, C. N., sS. 14 Sumner.
- FAIRFIELD, O. J., *Proctor* (also 3Dv.), D. 15.
- Fairlie, J. A., 1C. C. 35.
- Falk, C. R., 3C. Read's 20.
- Fallon, F. A., 1C. Felton 9.
- Farenholt, A., 2M. Malden.
- Farley, F. E., 3C. G. 36.
- Farley, J. H., 2L. 50 Kirkland.
- FARLOW, W. G., *Prof.* Hilton A.
- Farnham, J. M. W., 1M. Newton Centre.
- Farnsworth, C., 3L. 18 Garden.
- Farnsworth, W. O., 3C. 2550 Washington St., Roxbury.
- Farquhar, R. D., 2C. H'y 12.
- Farquharson, D. F., 2C. T. 10.
- Farr, L. N., sS. 139 Thorndike St., E. Cambridge.
- Farr, W. B., 2L. 1680 Cambridge.
- Farrington, F. E., 2C. G. 43.
- Farrington, L. M., 2M. 22 Hillside Ave., Everett.
- Farwell, F., 1sC. 42 Mt. Auburn.
- Farwell, S. E., 3C. H'y 16.
- Faunce, C. M., 4C. 13 Kirkland Pl.
- FAXON, C. E., *Asst.* Jamaica Plain.
- Fay, A. B., 2C. H. 5.
- Fay, A. C., 3C. C. 33.
- Fay, H. G., 3C. C. 33.
- Fearing, G. R., 3C. Manter 3.
- Fechheimer, S. M., 1C. W. H. 36.
- Fennessy, J. H., 1L. T. 35.
- Fenollosa, S. K., 1C. D. 19.
- Fenton, D. W., 1C. Felton 24.
- Fernald, M. L., sS. 64 Buckingham.
- Ferris, C., 2L. 31 Bigelow.
- Field, G. W., 2Dn. 72 Pinckney.*
- FILLEBROWN, T., *Prof.* 264 Boylston.*
- FISH, F. P., *Lect.* 15 Everett.
- Fisher, H. C., 2C. M. 25.
- Fisher, H. R., 2L. 24 Mellen.
- Fisher, J. C., 2L. 24 Mellen.
- Fisher, M. O., 1sC. Felton 12.
- FISHER, T. W., *Lect.* Lunatic Asylum, So. Boston.
- Fisk, A. G., 2sL. 750 Cambridge.
- FISK, L. B., *Auditor of* *Reading Assoc.* Memorial Hall.
- Fiske, C. H., 3C. W. H. 54.
- Fiske, G. C., 2C. 27 Everett.

- Fiske, G. S., 1*L.* 261 Clarendon.*
 Fiske, J. L., 1*C.* T. 46.
 Fiske, P. S., 3*C.* G. 19.
 Fritz, R. H., *Prof.* 18 Arlington.*
 Fitzhugh, E. F., 1*G.* 13 Bow.
 Flagg, W. D., 2*sC.* Felton 29.
 Flandrau, C. M., 1*C.* 60 Brattle.
 Fletcher, A. B., 3*S.*
 35 Blake St., No. Cambridge.
 FLETCHER, J. B., *Instr.* 1 Garden.
 Flint, G., 1*G.* 896 Main.
 Flint, H. L., 3*C.* 8 Chauncy.
 Flint, P. G., 1*sC.* Little's 20.
 Flint, W. K., 1*L.* Read's 10.
 Floyd, R., 1*C.* 25 Holyoke.
 Flynn, E. J., *sS.* C. 37.
 Flynn, H. S., 2*M.* 68 Chandler.*
 Fogg, H. T., 2*L.* H. 22.
 Foley, W. H., 1*G.* 12 Putnam Ave.
 Follansbee, M. D., 4*C.* H'y 21.
 FOLSOM, C. F., *Overseer,*
 15 Marlboro'.*
 Folsom, J. W., 3*S.*
 918 Fourth St., So. Boston.
 Fontaine, H. T., 1*M.* 1 Dartmouth Pl.*
 Forbes, E. W., 1*C.* T. 34.
 Forbes, R. E., 3*L.* 24 Marlboro'.*
 Forbes, W. C., 4*C.* T. 34.
 Ford, J. A., 1*L.* 16 Oxford.
 Ford, J. D., 1*L.*
 90 Sixth St., E. Cambridge.
 Ford, J. S., 2*C.* 54 Garden.
 Fordyce, W. C., 1*sC.* Hilton 24.
 Forsyth, A., 1*C.*
 54 Meacham St., W. Somerville.
 Forsythe, R. J., 2*C.* 48 North Ave.
 Fortney, R. L., 1*L.* 12 Kirkland Pl.
 Foss, G. B., 3*V.*
 79 Cedar St., Roxbury.
 Foss, L. F., 1*C.* W. 39.
 Foster, F. A., 1*sS.* 15 Oxford.
 Foster, H. D., 1*G.* Hilton 23.
 Fowle, S. O., 3*V.* Wellesley.
 Fox, C. L., 3*M.* 237 W. Canton.*
 Fox, H. C., 2*C.* 5 Linden.
 Fox, J. P., 2*C.* C. 59.
 Fox, R. T., 2*sS.* M. 10.
 Frahm, H., 1*L.* 713 Cambridge.
 Frame, J., 1*M.* 79 Chandler.*
 Frame, J. E., 1*Dv.* D. 20.
 Francis, C. S., 4*M.* Brookline.
 Francis, N. L., 3*C.* Read's 2.
 FRANCKE, K., *Asst. Prof.*
 384 Harvard.
 Franklin, R. M., 1*L.* 1750 Cambridge.
 Franklin, W. S., 1*G.* 44 Mt. Auburn.
 Frantz, E. H., 3*C.* 59 Mt. Auburn.
 Fraser, F. W., 1*grDv.* D. 12.
 Fraser, H. M., 2*C.* 38 North Ave.
 Fraser, L., 3*sC.* 7 Bow.
 Frazier, H., 1*C.* 4 Arrow.
 Freark, F. A., 3*C.* 140 Mt. Auburn.
 Freiberg, A. J., 2*C.* 10 Mellen.
 French, C. S., 1*C.* W. H. 3.
 French, R. T., 2*C.* H'y 5.
 French, T. T., 1*M.*
 Dent St., W. Roxbury.
 Fridenberg, S. L., 3*C.* T. 1.
 Friedlander, A., 4*C.* M. 48.
 Friedman, L., 2*C.* M. 4.
 Friedman, L. M., 3*C.* H'y 6.
 Friend, C., 3*L.* 715 Cambridge.
 Frink, L. A., 2*sC.* 17 Dunster.
 Frisbee, F. S., 1*C.* 90 Waltham.*
 Frizell, A. B., 3*C.* 14 Sumner.
 Frost, H. B., 4*C.* S. 31.
 Frost, N. A., 2*M.* Harv. Med. Sch.*
 Frothingham, F. E., 2*C.* T. 39.
 Frothingham, H. A., 2*C.* H'ke 18.
 Frothingham, L. A., 3*C.* 8 Holyoke.
 Frothingham, R., 4*M.*
 2 Monument Sq., Charlestown.
 Frothingham, W. I., 2*C.* W. 37.
 Fullam, F. L., 2*sS.* C. 52.
 Fuller, F. H., 2*M.* Rockland.
 Fuller, G. S., 1*V.* No. Andover.
 Fuller, W. E., 4*C.* M. 52.
 Fulton, E., 1*G.* 1586 Cambridge.
 Furber, E. E., 2*M.* 84 Appleton.*
 Furber, W. H., 3*C.* T. 18.
 Furman, R., 2*C.* 20 Prescott.
 Gabell, E. F., 3*Dn.* 80 Appleton.*
 Gade, F. H. J., 3*C.* 5 Berkeley.
 Gage, E. F., 2*M.* 3151 Washington.*
 Gage, F. H., 4*sC.* 410 Harvard.
 Gage, J. A., *grM.*
 48 Central St., Lowell.
 Gage, W. B., 2*C.* H'ke 43.
 Gale, L. W., 2*C.* W. 52.
 Gallison, J. C., *grM.* Franklin.
 Gallivan, F. B., 3*C.* H. 30.
 Gallivan, W. J., 3*M.*
 37 Bolton St., So. Boston.
 GANNETT, W. W., *Instr.*
 274 Marlboro'.*
 GANONG, W. F., *Instr.* 119 Oxford.
 Gans, H. S., 3*C.* W. H. 16.
 Ganson, J. W., 4*C.* S. 26.

- Gardner, P., 2C. 896 Main.
 Gardner, R. R., 1C. F. 1.
 GARFIELD, L. D., *Supt. of Buildings*,
 107 Ellery.
 GARLAND, G. M., *Instr.* 227 Newbury.*
 Garland, J. A., 3sC. Beck 1.
 Garland, W. H., 2C. M. 30.
 GARMAN, S., *Asst.* D. 13.
 Garrett, A. C., 3G. 9 Francis Ave.
 Garrison, C., 1G. 6 Appian Way.
 Garrison, F. W., 2C. M. 47.
 GATES, L. E., *Instr.* M. 40.
 Gay, C. M., 3C. W. H. 41.
 GAY, G. W., *Clin. Instr.*
 665 Boylston.*
 GAY, W. F., *Asst. Demonstr.*
 984 Tremont.*
 Gay, W. F., 3M. 385 Beacon.*
 Gehring, H. A., 1C. 12 Kirkland Pl.
 Geib, F. J., 1sC. 54 Mt. Auburn.
 George, N. R., 2G. S. 5.
 Gerould, J. H., 4C. 7 Waterhouse.
 Gerrodette, F. H., 1G. 44 Langdon.
 Gerstle, M. L., 3L. 17 Yarmouth.*
 Gettings, D. E., 1Dn.
 142 W. Concord.*
 Gibbons, S., 2C. G. 49.
 GIBBS, W., *Prof. Em.* Newport, R. I.
 Giblin, J. J., 1M. 226 Highland.*
 Gibson, H. B., 1G.
 Peterstrasse 38, Treppe A^m,
 Leipzig, Germany.
 Gifford, A. W., 2C. H. 3.
 Gifford, R. W., 4C.
 359 Beacon St., Somerville.
 Gifford, T. A., 3C. H. 3.
 Gilbert, L. W., 3C. W. H. 11.
 Gilbert, M. S., 2L. 882 Main.
 Gilbert, W. C., 2L. 882 Main.
 Gilchrist, C. R., 1M.
 58 Blue Hill Ave.*
 Gilchrist, R. W., 1M.
 58 Blue Hill Ave.*
 Gillespie, R. M., 4C. G. 42.
 GILLET, H. W., *Instr.*
 102 Touro St., Newport, R. I.
 Gillette, G. R., 1L. C. 7.
 Gillmore, F., 1C.
 36 Green St., Charlestown.
 Gillrain, J. M., 1L. 24 Mt. Auburn.
 Gilman, F. L., 1C. T. 20.
 Gilman, J. E., 2C.
 45 Saunders St., Allston.
 Gilman, R., 1C. 32 Hawthorn.
 Gilman, W. L. F., 1C.
 45 Saunders St., Allston.
 Gilmore, F. A., 2Dv. D. 28.
 Gilsey, H., 1C. Quincy 8.
 Givens, J. E., 4C.
 5 Eustis Ct., No. Cambridge.
 Gleason, C. B., 2C. M. 46.
 Glessner, J. G. M., 2C. W. H. 8.
 Glidden, J. W., 1C. 894 Main.
 Gloag, R. W., 2L. 15½ Shepard.
 Goddard, W. B., 2C.
 46 Newburg St., W. Somerville.
 Goding, E. N., 1L. 24 Mt. Auburn.
 Goetz, P. B., 3C. H'y 4.
 GOODALE, G. L., *Prof.* 67 Sparks.
 Goodale, J. L., 3M. 67 Sparks.
 Goodhue, R. F., 1M.
 310 Columbus Ave.*
 Goodrich, C. C., 2C. 1 Hubbard Pk.
 Goodrich, H. B., 4C. H. 1.
 Goodwin, E. H., 1C. G. 39.
 Goodwin, F. S., 2L. 183 Falmouth.*
 Goodwin, H. K., 1sL. 37 Putnam Ave.
 Goodwin, H. M., 2G. 428 Broadway.
 Goodwin, J. W., 1C. 423 Broadway.
 GOODWIN, W. W., *Prof.* 5 Follen.
 Googins, F. A., 4C. Read's 32.
 Gordon, A. H., 3C. T. 11.
 Gordon, G. B., 2sS. 11 Wendell.
 Gould, B. A., 1L. T. 27.
 Gould, C. A., 1C. Manter 4.
 Gould, E. J., 3C. 37 Cogswell Ave.
 Gould, T. H., 4C. 880 Main.
 Goulding, T. F., 1sC.
 220 Summer St., Somerville.
 Graham, J. D., 2L.
 57 Third St., E. Cambridge.
 Granger, C. V., 1sC. 125 Mt. Auburn.
 Grant, F. L., 3C. 19 Church.
 Grant, V., 1C. D. 16.
 Grant, W. H., 1M. 228 W. Canton.*
 Gratwick, W. H., 4C. W. H. 6.
 Gray, C. A., 1sC. 776 Main.
 Gray, D., 4C. W. H. 6.
 Gray, G. A., 2C. S. 24.
 Gray, G. H., 3L. 12 Brimmer.*
 GRAY, J. C., *Prof.* 176 Beacon.*
 Gray, J. H., 4G. Novalisstrasse 3^{iv},
 Berlin, Germany.
 Gray, R., 1C. Manter 6.
 Green, A. E., 2C. 54 Garfield.
 Green, A. H., 4C. W. H. 39.
 GREEN, C. M., *Instr.* 78 Marlboro'.*
 Green, E. C., 2sS. 65 Mt. Auburn.

- Green, E. H., 1*C.* 54 Garfield.
 Green, F., 2*L.* 48 Buckingham.
 Green, J., 1*C.* W. 17.
 GREEN, J. O., *Prof.* 182 Marlboro'.*
 GREEN, S. A., *Overseer*,
 30 Tremont.*
 Green, T. F., 2*L.* 713 Cambridge.
 Green, W. C., 3*Do.* D. 21.
 Greenberg, M. E., 1*C.* Felton 4.
 Greene, D. C., 1*C.* 11 Appian Way.
 Greene, E. B., 2*G.* 11 Appian Way.
 Greene, H. U., 2*C.* T. 44.
 Greenfield, A. D., 2*C.*
 715 Cambridge.
 Greenman, L. M., 2*C.* C. 31.
 GREENOUGH, F. B., *Clin.*
Instr. 10 Charles.*
 GREENOUGH, J. B., *Prof.* 13 Brewster.
 Greenough, R. B., 4*C.* W. 44.
 Greenough, W. E., 1*C.* 51 Ellery.
 Gregg, R. E., 2*C.* W. H. 46.
 Gregory, H., 4*C.* M. 38.
 Grew, R. C., 1*C.* Beck 31.
 Grinnell, F. W., 1*C.* H'ke 30.
 Griswold, F. T., 2*C.* 7 Linden.
 Griswold, G., 3*C.* 9 Bow.
 Griswold, L. S., 1*G.*
 238 Boston St., Dorchester.
 Groll, E. W., 2*M.*
 16 Mayfair St., Roxbury.
 GROSS, C., *Instr.* 14 Trowbridge.
 Gross, E. B., 1*M.* 7 Prentiss Pl.*
 Grove, J. G., 2*Dn.*
 357 Columbus Ave.*
 Grover, E. M., 2*C.* H'ke 31.
 Guerin, M. H., 3*C.* M. 2.
 Gulick, C. B., 2*G.* H. 11.
 Gunkel, J. S., 1*M.* 127 Pembroke.*
 Gunnell, G., 4*C.* 12 Amory.
 Gunther, E. C., 1*M.* 140 Marlboro'.
 Hadlock, A. E., 2*L.* 4 Orchard.
 HAGEN, H. A., *Prof.* 7 Putnam Ave.
 Hahn, A., 3*C.* D. 5.
 Haines, F. S., 1*M.* 109 Mt. Vernon.*
 Hale, A., 3*C.* 12 Oxford.
 HALE, E., *Instr.* E. Orange, N. J.
 Hale, E. E., 2*G.* Scharrengasse 13,
 Halle a/S., Germany.
 Hale, R. W., 4*C.* T. 44.
 HALEY, H. W., *Instr.* 11 Wendell.
 Haley, H. W., 1*Dn.* Roslindale.
 HALL, E. H., *Asst. Prof.* Gorham St.
 Hall, H. J., 2*M.* 146 Worcester.*
 Hall, J. F., 1*M.* 170 W. Canton.*
 Hall, John H., 2*C.* M. 41.
 Hall, Joseph H., 3*sS.* H'ke 37.
 Hall, L., 4*C.* W. H. 1.
 Hall, L. C., 3*C.* Shepherd 5.
 Hall, L. M., 2*C.* W. H. 27.
 Hall, P., 4*C.* H. 5.
 Hall, P. F., 3*L.* W. 5.
 Hall, S. P., 3*C.* W. 14.
 Hall, T., 3*C.* 46 W. Newton.*
 Hallett, T., 2*Dn.* 32 Mt. Vernon.*
 Hallowell, F. W., 3*C.* T. 7.
 HALLOWELL, J. M., *Proctor*
 (also 2*L.*), T. 7.
 Hamblin, N. C., 4*C.* W. 53.
 Hamilton, E. S., 2*M.* Holliston.
 Hamilton, G. L., 1*C.* Felton 26.
 Hamilton, W. A., 4*C.* 31 Shepard.
 Hammond, C. F., 1*L.* Quincy 9.
 Hammond, F. T., 4*C.* 709 Main.
 Hammond, G. D., 2*C.* 53 Mt. Auburn.
 Hammond, O. D., 1*sC.* 26 Holyoke.
 Hammond, P., 2*M.* Haverhill.
 Hancock, J. C., 1*C.* H'ke 21.
 Hand, A. N., 1*L.* 54 Garden.
 Hand, B. L., 3*C.* W. H. 4.
 Hanson, C. L., 4*C.* T. 25.
 Hanson, J. C., 1*C.* H. 2.
 HANUS, P. H., *Asst. Prof.* 21 Craigie.
 Hapgood, H., 4*C.* T. 14.
 Hapgood, N., 2*L.* -9 Riedesel Ave.
 Hapgood, W. P., 2*C.* T. 14.
 Hardie, G. R., 4*C.* 61 Oxford.
 Harding, A., 2*C.* 13 Wendell.
 Wardon, R. W., 3*M.* Newton.
 Harkins, C. P., 1*M.* Newtonville.
 Harlow, G. A., 3*M.* Harv. Med. Sch.*
 Harmar, H. E., Bussey Inst.*
 Harnly, H. J., 4*C.* C. 3.
 Harriman, C. H., *grM.* Whitinsville.
 Harriman, F. W., 1*M.* Framingham.
 HARRINGTON, C., *Instr.*
 57 Orchard St., Jamaica Plain.
 HARRINGTON, F. B., *Asst.* 201 Beacon.*
 HARRIS, F. A., *Demonstr.*
 59 Chambers.*
 Harris, H. H., 1*G.* C. 20.
 HARRIS, T. W., *Instr.* D. 40.
 Harris, W. F., 1*G.* T. 22.
 Harris, W. L., 1*M.* 6 Louisburg Sq.*
 Harrison, F. M., 4*sC.* W. H. 33.
 Harrison, P. J., 1*L.* M. 51.
 Harrison, R. C., 2*L.* M. 51.
 Harrison, R. W., 1*C.* 25 Holyoke.
 Harrison, W. O., 2*C.* 7 Sumner.

- HART, A. B., *Asst. Prof.* 15 Appian Way. C. 22.
Hart, J. G., 3C.
Hartshorn, G. T., 10G. 7 Pleasant St., Taunton.
Hartt, A. W., B. Dedham.
Hartwell, H. F., 1C. H'ke 36.
Harvey, L., 1C. 9 Francis Ave.
Harwood, C. H., 4M. 200 Dartmouth.*
Harwood, J. H., 3C. W. H. 31.
Harwood, R. W., 4C. H'ke 50.
Haskell, H. H., 2M. Auburndale.
Hastie, D. F., 3C. 25 Holyoke.
Hastings, H. B., 1G. G. 47.
Hastings, J. M., 1M. 104 Westminster.*
Hastings, R. W., 3M. 165 W. Canton.*
Hatch, P. E., 3L. H. 19.
Hawes, C. S., 3C. W. 53.
Hawes, L. S., 2V. So. Natick.
Hawes, O. B., 3C. Wadsworth 9.
Hawes, O. K., 4C. T. 21.
Hayden, T. B., 1Dn. 10 Kearsarge St., Roxbury.
HAYES, J. J., 1 str. 6 Story.
Haynes, H. H., 1grDv. 6 Ellery.
Hayward, N., 1C. H'ke 10.
Hayward, W. B., 1sS. Taunton.
Hazard, W. H., 1grDv. 13 Remington.
Headle, E. C., 1G. 51 Wallace.
Healey, A. E., 2L. Read's 4.
Heard, J. L., 1C. 26 Holyoke.
Heard, J. T., 4C. 8 Appian Way.
Heckscher, L., 2C. 5 Linden.
Heffern, P. W., 1M. 142 Kingston.*
Hegeman, A. R. B., 4C. 16 Oxford.
HEMENWAY, A., *Overseer*, 10 Tremont.*
Hempstead, D. B., 2L. 50 Winthrop.
Henckels, T., 1G. 49 Wallace.
Henderson, F. G., 2C. Chestnut Hill Ave., Brookline.
Henderson, W. F., 1L. Beck 45.
Henderson, W. J., 2S. Beck 45.
Hendy, W. R., 4C. 18 Trowbridge.
Henning, G. N., 2C. D. 8.
Henry, H. H., 1C. 410 Harvard.
Henshaw, G. B., 2M. 49 Linnaean.
Henshaw, O. B., 3C. 49 Linnaean.
HERFORD, B., *Preacher*, 12 Chestnut.*
HERMAN, H. N., *Asst.* (also 2G.), S. 1.
Herrick, R. D., 3C. Little's 1.
Herrman, C., 2S. 862 Main.
Hershey, A. S., 4C. C. 70.
HERSEY, E., *Supt. of Bussey Farm*, Roslindale.
Hervey, E. P., 2C. W. 3.
Heywood, W. C., 3C. W. H. 58.
Hibbard, W. G., 4C. Read's 6.
Hibberd, D. P., 1G. 715 Cambridge.
Hickey, J. H., 3C. 50 W. Cedar.*
Hickmann, C. S., 2sL. D. 37.
Hicks, R. B. C., 1C. 50 Winthrop.
Higbee, F. O., 2M. T. 29.
Highlands, A. A., 1C. 40 Kirkland.
Highlands, J. A., 1sS.
HIGHT, C. A., *Asst.* (also 3L.), S. 25.
Hildreth, H. A., 3C. W. H. 35.
Hildreth, S. D., 3L. T. 3.
Hiler, E. O., 3C. T. 26.
Hill, A. D., 1L. 37 Brattle.
HILL, A. S., *Prof.* 19 Marlboro'*.
Hill, C. H., 2sC. M. 37.
Hill, E. B., 2C. 17 Hammond.
Hill, E. E., 2M. Harv. Med. Sch.*
Hill, E. F., 2C. Gray St.
Hill, F. B., 1C. 366 Harvard.
Hill, G. H., 2M. 240 Huntington Ave.*
HILL, H. B., *Prof.* 17 Hammond St.
Hill, H. F., 3Dn. 62 W. Cedar.*
Hill, J. D., 2sL. 8 Foster.
Hill, J. W., 1sC. 71 Putnam Ave.
Hill, L. D., 2C. 366 Harvard.
Hill, W., 1G. 17 Mellen.
Hilliard, H. J., 2sS. 52 Gainsborough.*
HILLS, W. B., *Assoc. Prof.* 27 Everett.
Hilton, W. M., 1M. 104 Westminster.*
Hinckley, E. B., 3L. 467 Broadway.
Hinckley F. C., 1sS. 126 Mt. Auburn.
Hinckley, F. L., 1L. 13 Trowbridge Pl.
Hirotzu, T., 2Dr. 61 Oxford.
Hisa, M., 1C. 13 Trowbridge Pl.
Hitch, J. C. D., 1C. F. 5.
Hitchcock, G. C., 1L. 18 Appian Way.
Hitchcock, W. A., 1V. Main St., Malden.
Hixon, E. C., 2sC. 30 Irving.
Hoadley, D., 3C. 739 Cambridge.
Hoag, J. K., 1sC. 44 Holyoke.
Hoag, W., 2C. T. 52.
HOAR, S., *Overseer*, Concord.
Hobson, A. L., 1C. W. H. 50.
Hochstadter, H. G., 4C. W. H. 16.
Hockley, W. S., 2C. 5 Linden.

- Hodder, A. L., 2*G.* 21 Craigie.
 Hodder, J. R., 2*sL.* 21 Craigie.
 Hodge, F. R., 1*sC.* 54 Mt. Auburn.
 Hodge, W. F., 1*sC.* 54 Mt. Auburn.
 Hodges, A. D., 3*M.*
 39 St. James St., Roxbury.
 Hodgkins, C. L., 2*M.*
 Center St., W. Roxbury.
 Hoffecker, R. C., 2*C.* M. 37.
 Hoffmann, R., 1*sC.* 22 Centre.
 Hogg, G., 1*C.* M. 36.
 Hogg, W. F., 1*C.* M. 36.
 Holbrook, A. T., 4*S.* 45 Mt. Auburn.
 Holbrook, B., 1*C.* C. 39.
 Holbrooke, M., 2*sC.*
 146 Austin St., Cambridgeport.
 Holcomb, H. L., 2*sC.* C. 1.
 Holden, G. M., 3*Dn.* 344 Boylston.*
 Holden, H., 2*L.* 25 Holyoke.
 Holder, O. H., 4*M.*
 184 Commonwealth Ave.*
 Holland, J. E., 3*sS.* 890 Main.
 Holliday, G. H., 3*L.* C. 21.
 Hollis, H. F., 4*C.* W. H. 12.
 Holmes, C. H., 2*C.* 50 Winthrop.
 Holmes, E. J., 1*C.* Hilton 35.
 Holmes, E. M., 1*M.* 94 Pembroke.*
 Holmes, F. H., 2*S.* 54 Mt. Auburn.
 HOLMES, O. W., *Prof. Em.*
 296 Beacon.*
 Holt, W. D., 2*C.*
 8 Putnam St., Somerville.
 Holzman, S. S., 2*S.* T. 59.
 HOMANS, J., *Clin. Instr.*
 164 Beacon.*
 Homans, R., 2*C.* Little's 22.
 Hood, R. P., 2*C.* 44 Brattle.
 HOOPER, E. W., *Treas.*
 Fayerweather St.
 HOOPER, F. H., *Instr.* 85 Beacon.*
 Hooper, S. R., 1*C.* H. 15.
 Hoopes, W. L., 1*G.* Lawrence 3.
 HOPKINS, E. E., *Instr.* 85 Newbury.*
 Hopkins, L. L., 1*L.*
 Park St., Brookline.
 Hopkins, W. H., 1*L.* 18 Sumner.
 Hoppin, J. C., 3*C.* Hilton 6.
 Hoppin, T., 3*C.* 12 Oxford.
 Horan, J. G., 2*C.*
 539 Dorchester Ave.*
 Horgan, D. M., 1*Dn.* 46 Concord Sq.*
 Hormell, W. G., 1*G.* 45 Trowbridge.
 Horne, H. W., 2*C.* F. 1.
 Horne, P. L., 4*C.* S. 11.
 Horton, A. B., 2*C.* 304 Harvard.
 Horton, W. G., 2*L.* W. H. 26.
 Hosmer, R. S., *B.*
 361 Neponset Ave., Dorchester.
 Houghton, H. L., 2*M.*
 207 W. Newton.*
 Houston, D. F., 1*G.* H'ke 7.
 Hovey, F. H., 2*L.* W. H. 38.
 How, L., 1*C.* 1750 Cambridge.
 HOWARD, A. A., *Tutor,*
 735 Cambridge.
 Howard, C. T., 1*C.* C. 18.
 Howard, F. P., 1*sC.* 18 Appian Way.
 Howard, J. C., 2*C.* 65 Mt. Auburn.
 Howard, J. H. P., 1*sL.*
 Howard, P. B., 2*C.* 25 Holyoke.
 Howard, W. G., 1*G.* C. 41.
 Howe, E. C., 3*C.* 13 Kirkland Pl.
 Howe, F. F., 4*C.* S. 9.
 Howe, G. S., 3*L.* S. 25.
 Howe, H. A., 3*S.* Felton 5.
 Howe, W. D., 3*sC.* 14 Concord Ave.
 Howerth, I. W., 3*C.* 1 Winthrop Sq.
 Howes, E. A., 2*C.* C. 25.
 Howland, C. P., 1*L.* 54 Garden.
 Howlett, C. A. S., 2*sS.* 6 Upton.
 Hoyt, E. M., 4*M.* 7 Tremont Pl.*
 Hubbard, F. A., *grM.*
 14 Main St., Taunton.
 Hubbard, J., 4*C.* Read's 26.
 Hubbard, J. C., 4*C.* 896 Main.
 Hubbard, W. W., 1*L.* 717 Cambridge.
 Hubbell, C. G., 3*C.* 54 Garden.
 Hubbell, J. D., 2*C.* 9 Linden.
 HUDSON, H., *Proct.* (also 2*L.*), C. 5.
 Hugh, D. D., 4*C.* 1586 Cambridge.
 Hughes, G. T., 1*L.* 96 Prescott.
 Hughes, H. J., 2*C.* M. 55.
 Hughes, J. T., 3*C.*
 1 Parkman St., Brighton.
 Hughes, T. B., 1*C.*
 1 Parkman St., Brighton.
 Huidekoper, A. R., 1*sC.* Read's 14.
 Hull, G. D., 1*G.* 24 Mt. Auburn.
 Hull, M. D., 3*L.* H'y 23.
 Hulme, A. E., 3*Dn.* Andover.
 Hume, G. E., 3*C.* W. H. 43.
 Humphrey, J. E., 4*G.* Amherst.
 Hunneman, C., 3*L.* T. 15.
 Hunt, D. L., 1*M.*
 171 Walnut Ave., Roxbury.
 Hunt, E. L., 3*C.* T. 16.
 Hunt, J. H., 4*C.* 896 Main.
 Hunt, J. W., 3*L.* 34 Bigelow.

- Hunt, W. R., 1*Dv.* 34 Linnaean.
 Hunter, R. W., 3*C.* 11 Appian Way.
 Huntington, C. P., 3*C.* 890 Main.
 Huntington, E. V., 1*C.* 154 Shepard.
 HUNTINGTON, H., *Asst.* (also 1*G.*)
 M. 29.
 HUNTINGTON, O. W., *Instr.* 12 Ware.
 Hurd, G. A., 2*L.* 102 Mt. Auburn.
 HURLBUT, B. S., *Instr.* H. 21.
 Hurley, J. H., 1*SL.*
 146 Spring St., E. Cambridge.
 Hussey, A. R., 3*C.* W. H. 7.
 Hutchins, A., 2*C.* T. 24.
 Hutchins, H. D., 1*SC.* 14 Mellen.
 Hutchinson, H., 3*C.* M. 1.
 Hutchinson, I. E., 2*C.* 55 Trowbridge.
 Hutchinson, J. W., 1*SC.* 20 Berkeley.
 Hutchison, C. E., 3*C.* H'y 4.
 Hutton, W. E., 1*SC.* T. 66.
 Hyams, C. H., 1*L.* Beck 6.
 Hyatt, A., 2*S.* Francis Ave.
 Hyde, C. C., 4*C.* C. 62.
 Hyde, J. L., 2*SS.* C. 45.
 Hylan, J. P., 1*SC.* 60 Mt. Auburn.
 Hyler, W. B., 1*SC.* 50 Kirkland.
 Hyman, M. S., 1*C.* Felton 23.
 Ide, C. E., 1*M.* 526 Columbus Ave.*
 Ikeda, S., 1*C.* 37 Trowbridge.
 Ilsley, F. R., 3*M.*
 108 Orange St., Chelsea.
 Ingalls, G. H., 3*C.* 78 Mt. Auburn.
 Ingalls, M. E., 4*C.* Beck 42.
 Ingersoll, F. A., 4*C.* D. 36.
 Ingoldsby, J. E., 1*M.*
 961 Washington.*
 Irving, A. D., 1*C.* Felton 14.
 Jacks, W., 1*SL.* 27 Blagden.*
 Jackson, A., 3*Dn.* 1 Trinity Pl.*
 Jackson, A. L., 1*C.* 17 Follen.
 Jackson, C. D., 2*C.* G. 3.
 JACKSON, C. L., *Prof.* H'y 11.
 Jackson, E. H., 4*C.* 11 Appian Way.
 Jackson, F. G., 3*C.* 126 Mt. Auburn.
 JACKSON, H., *Asst.* 309 Marlboro'*.
 Jackson, P. T., 3*C.* 17 Follen.
 JACOBS, F. B., *Proctor* (also 3*L.*)
 H'ke 33.
 Jacoby, J. R., 1*G.* W. H. 36.
 JAGEMANN, H. C. G. von,
Asst. Prof. 29 Shepard.
 Jaggat, T. A., 3*C.* 354 Harvard.
 Jakeman, W. W., s*V.*
 Davis Ave., Brookline.
 James, E., 1*C.* Beck 23.
 James, E. H., 1*C.* 96 Prescott.
 JAMES, W., *Prof.* 95 Irving.
 Jameson, H. V., 1*M.* Melrose.
 Jameson, H. W., 1*C.* F. 2.
 Jaques, L. C., 4*C.* H. 12.
 Jarvis, S. F., 3*L.* 46 North Ave.
 Jenkins, H. F., 1*SC.* 54 Mt. Auburn.
 Jenkins, T. C., 1*L.* H'ke 41.
 Jenks, H. D., 2*M.* 84 Montgomery.*
 Jenks, L., 4*C.* S. 20.
 JENNINGS, W. L., *Asst.* (also
 3*G.*) 17 Maple Ave.
 Jennison, J. A., 1*SC.* 467 Broadway.
 Jewett, W. K., 1*M.* 78 Appleton*.
 Johnson, A., 1*SC.* 721 Cambridge.
 Johnson, A. C., 1*C.* Felton 30.
 Johnson, A. N., 2*SS.*
 101 Newhall St., Lynn.
 Johnson, C. E., 1*L.* 56 Mt. Auburn.
 Johnson, F., 1*C.* 378 Harvard.
 Johnson, F. W., 4*C.* Beck 46.
 Johnson, G. D., 1*M.*
 12 St. James Ave.*
 Johnson, H. G., 2*C.* 48 Concord Ave.
 Johnson, J. E., 1*G.* Lawrence 4.
 JOHNSON, L. J., *Instr.* S. 21.
 Johnson, L. N., 1*G.* 11 Mellen.
 Johnson, O. E., 2*M.* Winthrop.
 Johnson, P. V., 1*SC.* W. H. 55.
 Johnson, R. H., 1*C.* 10 Oxford.
 Johnson, R. M., 1*S.* 721 Cambridge.
 Johnson, S. E., 1*SC.* 157 Mt. Auburn.
 Johnson, W. S., 2*C.* H'ke 15.
 Johnstone, M. L., 1*SC.* 65 Mt. Auburn.
 Johnstone, H. R., 2*SC.*
 68 Mt. Auburn.
 JONES, A. K., *Janitor*, 465 Broadway.
 Jones, C. P., 2*M.*
 4 Belvidere St., Suite 2.*
 Jones, D. F., 3*C.* Little's 1.
 Jones, E. R., 3*C.* Hilton 32.
 Jones, F. C., 1*C.*
 80 Dorchester St., So. Boston.
 Jones, G. W., 2*SL.* 7 Brown.
 Jones, H. L., 4*C.* C. 23.
 Jones, R., 4*C.* 25 Holyoke.
 Jones, W. F., 4*C.* H'y 7.
 Jones, W. M., 2*M.*
 228 California St., Newton.
 Jones, W. P., 1*L.*
 50 Vernon St., Somerville.
 Jordan, C. H., 3*M.* Winchester.
 Jordan, I. C., 1*L.* S. 14.
 Jordan, R. A., 4*C.* W. H. 25.

- Jose, E. P., 3C.
 Hotel Florence, Austin St.
 Joslin, E. P., 1M. 517 Beacon.*
 Joy, W. P., 1sC. Little's 29.
 Judd, S. D., 2S. T. 66.
 Judge, A. A., 2M.
 60 Bumstead Lane.*
 Julbe, J. J., 1S. 50A Kirkland.
 Jutten, B. C., 2C. C. 53.
 Kagan, J. M., 2C. 10 Church.
 Kasahara, S., 1sC. 39 Dana.
 Kaufman, J. G., 1C. C. 70.
 Kaufman, W., 1sL. 44 Langdon.
 Kaulbach, R. J. C. S., 1L.
 16 Oxford.
 Kavan, G. A., 1C. 19 Hilliard.
 Keany, F. J., 4M. 1 Prince.*
 Keeler, A. B., 2C. D. H. 4.
 Keenan, H. J., 2M.
 80 W. Fifth St., So. Boston.
 Keene, W. G., 2C. W. H. 20.
 Keep, R. W., 2L. 1 Garden.
 Keith, A. G., 2sC. 373 Harvard.
 Keith, F. S., 3M.
 South St., Waltham.
 Keleher, W. H., 4M. Woburn.
 Keller, C. T., 2C. H'ke 27.
 Kelley, D. M., 2M. Stoughton.
 Kellogg, G. C., 1C. H'y 2.
 Kellogg, H. T., 3L. Wadsworth 11.
 KELLY, H. M., Asst. (also 2G.), G. 43.
 Kelton, G. H., 3C. 90 Brattle.
 Kemble, P. H., 2C. 293 Marlboro'.*
 Kendall, T. L., 1M.
 201 Pleasant St., Brockton.
 Kendrick, A., 2G.
 45 Hunnewell Ave., Newton.
 Kendrick, J. M., 2C. 410 Harvard.
 Kennard, H. D., 2M. E. Somerville.
 Kennedy, F. L., 4C. W. 44.
 Kennedy, H., 2C. M. 49.
 Kennedy, R. H., 3C. H'ke 45.
 Kent, F. H., 2C. 54 Mt. Auburn.
 Kent, G. A., 4C. M. 12.
 Kent, H. F., 3C. M. 12.
 Kent, W. E., 3sC. C. 10.
 Keogh, D. P., sV.
 20 Gerrish Ave., Chelsea.
 Kerlin, I. N., 4C. T. 58.
 Kershaw, F. S., 1G. C. 23.
 Keyes, C. W., 3C. H'y 18.
 Kidder, E. H., 3M. Lincoln.
 Kidder, F. P., 3C. S. 5.
 Kidder, J. H., 4C. Shepherd 3.
 KIDDER, N. T., Instr. Milton.
 KIERNAN, T. J., Superintendent of
 Circulation, 25 Trowbridge.
 Kiesewetter, L. F., 1G.
 55 Trowbridge.
 Kilbreth, J. T., 2C. M. 53.
 Kilroy, F. H., 1M. 58 Berkeley.*
 Kimball, D., 3C. Hilton 31.
 Kimball, H. I., 2C. 44 Brattle.
 Kimball, M. D., 3L.
 325 Commonwealth Ave.*
 Kimball, S. T., 2L. 1709 Cambridge.
 Kimball, T. R., 1C. 7 Linden.
 King, D., 1C. 362 Harvard.
 King, J. G., 3L. T. 13.
 King, M. L., 1M.
 38 Claremont St., W. Somerville.
 King, R. C., 2C. H'ke 29.
 Kingsley, C. W., 1C.
 10 Chester St., No. Cambridge.
 Kirkpatrick, J. B., 2C.
 68 Mt. Auburn.
 Kirwen, J., 2C. W. 24.
 Kishimoto, N., 2Dv. 9 Story.
 Kitashima, W., 1grDv. D. 3.
 Kitchin, W. C., 4G. Cor. Park and
 Flower Aves., Arlington Heights.
 Kittredge, E. Y., 2C. W. 9.
 KITTREDGE, G. L., Asst. Prof.
 9 Hilliard.
 Klein, E., 1C. 42 Mt. Auburn.
 Knapp, A. T., 1sL. Watertown.
 Knapp, E. J., 3M. M. 15.
 Knapp, E. R., 1C. 40 Kirkland.
 KNAPP, P. C., Clin. Instr.
 33 Marlboro'.*
 Knapp, R. S., 2C. M. 15.
 KNIGHT, F. I., Prof. 131 Boylston.*
 Knowlton, P. G., 1G. 56Mt. Auburn.
 Knudsen, E. A., 2C. 48 Buckingham.
 Kofoid, C. A., 1G. 56 Mt. Auburn.
 Kozaki, N., 1grDv. D. 11.
 Krebs, F. H., 1L. 42 Union Pk.*
 KUMMEL, H. B., Asst. (also 1G.)
 58 Hammond.
 Lackey, W. A., 1C.
 31 Irving St., W. Somerville.
 Ladd, G. E., 3G. Melrose Highlands.
 Ladd, M., 2C. H'ke 34.
 Ladd, R. W., B. Milton.
 Lake, C. N., 1M. 431 Shawmut Ave.*
 Lake, E. J., 4C. 26 Holyoke.
 Lakin, H. C., 2C. 37 Trowbridge.
 Lambert, E. B., 1C. H'ke 26.

- Lamere, A. J., 2Dn. Lowell.
 Lamont, T. W., 4C. T. 16.
 Landauer, H., sS. 467 Broadway.
 Landes, H., 3C. 46 Mt. Auburn.
 Landon, H. M., 4C. H'y 16.
 Lane, D. W., 2C. M. 13.
 Lane, F. A., 4M. 77 Rutland.*
 LANE, G. M., *Prof.* 8 Mercer Circle.
 Lane, J. A., 1sC. 54 Mt. Auburn.
 Lane, T. J., 2M. 121 Centre St., Roxbury.
 LANE, W. C., *Asst. Librarian*, 19 Oxford.
 LANGDELL, C. C., *Prof. and Dean of Law Sch.* 37 Quincy.
 LANMAN, C. R., *Prof.* 9 Farrar.
 Lapsley, G. T., 3C. Read's 30.
 Larrabee, R. C., 3C. W. H. 61.
 Latham, A., 4C. C. 66.
 Latham, G. W., 3C. 54 Garden.
 LATHROP, H. B., *Instr.* 12 Amory.
 LATHROP, J. G., *Asst.* 13 Avon.
 Laughton, N. H., 1C. 126 K St., So. Boston.
 Lawrence, C. L., 2C. 6 Maple Ave., Cambridgeport.
 Lawrence, R. T., 2C. 894 Main.
 Laws, F. A., 1G. Mass. Inst. Tech.*
 Lawton, S. A., 1C. G. 7.
 Leach, R. E., 4C. 18 Trowbridge Pl.
 Leahey, G. H. A., 4M. City Hosp.*
 Leahy, T. J., 3M. Cambridge St.
 Learoyd, A. D., 1C. G. 33.
 Leary, T., 2M. Waltham.
 Leavitt, E. B., 2Dv. S. 22.
 Lecherzack, B., *grM.* 63 Leverett.*
 LeCclear, G., 1C. 862 Main.
 Lecompte, W. A., 3C. W. H. 31.
 LEE, D. D., *Instr.* 47 Eliot St., Jamaica Plain.
 Lee, G. C., 2C. Little's 10.
 LEE, H., *Overseer*, 40 State.*
 Lee, H. N., 4C. S. 6.
 Lee, T. G., 1G. 26 Mellen.
 Lee, W. F., 2C. H. 29.
 Leeds, R. A., 2L. 16 Mellen.
 Lefurgey, A. A., 1L. 16 Oxford.
 Lehman, A., 2C. W. H. 19.
 Leichtentritt, H., 1C. 12 Shepard.
 Leland, C. F., 2L. Beck 7.
 Lemann, F. B., 4C. G. 48.
 Lemke, O. A., 1C. C. 61.
 Leslie, A. von W., 2C. 8 Appian Way.
 Lewis, C. A., 1L. 11 Appian Way.
 Lewis, H., 3C. H'y 21.
 Lewis, H. H., 2C. Little's 28.
 Lewis, J. B., 4C. C. 67.
 Lewis, R. F., 2L. 69 Mt. Auburn.
 Libby, J. H., 3M. 21 Walker St., Charlestown.
 Lighthall, F. S., 1sC. 721 Cambridge.
 Lilienthal, A. S., 1C. 18 Sumner.
 Lincoln, A., 1C. Little's 14.
 Lincoln, C. H., 3C. W. 25.
 Lincoln, E., 4C. Little's 25.
 Lincoln, G. L., 1C. D. 23.
 Lincoln, J. T., 4sC. H'ke 25.
 LINCOLN, S., *Overseer*, Hotel Brunswick.*
 Linder, A. H., 1C. 408 Harvard.
 Lindh, E. I., 2C. 27 Orchard.
 Lindsey, E., 1C. D. 7.
 Lindström, A. H., 2M. 147 Warren Ave.*
 Line, A. M., 1C. 17 Mt. Auburn.
 Linfield, B. F., 2C. 22 Laurel St., Somerville.
 Littlefield, S. H., 3M. 2536 Washington.*
 Littlefield, W., 4C. 40 Williams St., Roxbury.
 Livermore, T. L., 1C. 69 Mt. Auburn.
 Livingood, E. S., 1C. Little's 2.
 Livingston, E., 3C. 48 Brattle.
 Lloyd, H. B., 4C. G. 44.
 Locke, W. A., *Organist and Choir-Master*, 10 Putnam Ave.
 Lockett, A. H., 4C. W. H. 28.
 Lodge, G. C., 1C. Quincy 10.
 Loker, H. W., 1C. C. 8.
 Lombard, P. H., 1C. Beck 31.
 Long, A. W., *Proctor* (also 2G.), H'ke 7.
 Long, E., 2C. M. 30.
 Long, W. J., 4C. 18 Plympton.
 Lord, F. B., 3L. S. 19.
 Lord, S. A., 2M. 8 Mt. Vernon.*
 Loring, L., 2sC. Shepherd 4.
 Loring, R. G., 4C. H'ke 40.
 Loring, R. T., 4C. H'ke 40.
 Lothrop, T. K., 1C. 52 Brattle.
 Lounsbury, E. H., 2L. 36 Pleasant St., Woburn.
 LOVE, J. L., *Instr.* (also 3G.), 44 Langdon.
 Loveland, J. E., 3M. 708 Tremont.*
 LOVERING, J., *Prof. Em.* 38 Kirkland.

- Lovett, R. M., 4C. T. 57.
 Lovewell, H. F., 2M. 159 Beacon.*
 Low, H. C., 3C. M. 44.
 Lowe, G. S., 1sL. W. H. 25.
 LOWELL, F. C., *Overseer*,
 159 Beacon.*
 Lowell, F. E., 1C. 739 Cambridge.
 Lowell, F. L., 2C.
 37 Everett Ave., Somerville.
 Lowell, G., 4C. 739 Cambridge.
 Lowell, J. A., 1L. 17 Dunster.
 Lowell, J. B., 2C. 894 Main.
 Lower, H. E., 1sC. 378 Harvard.
 Lucas, Francis C., 3C.
 1734 Cambridge.
 Lucas, Frederic C., 4S.
 36 North Ave.
 Luce, W., 3C. H'ke 48.
 Lund, F. B., 4M. Mass. Gen. Hosp.*
 Lund, J. W., 2L. H. 25.
 Luther, M. L., 1sC. 14 Sumner.
 Lydiard, F. S., 1V. Everett.
 LYMAN, C. P., *Prof. and Dean*
of Vet. School, 170 Falmouth.*
 Lyman, W., 1C. Felton 10.
 Lynam, F., 3M., 92 Pembroke.*
 Lynch, D. E., 1sS. 9 Avon.
 Lyon, C. R., 1sC. 473 Broadway.
 LYON, D. G., *Prof.* 6 Mason.
 Lyon, H., 3C. 44 Langdon.
 Lyons, C. P., 4M.
 27 Decatur St., E. Boston.
 Lyons, J. B., 2M.
 32 Albion Pl., Charlestown.
 Lythgoe, A. M., 4C. M. 45.
 McAdams, J. P., 1M.
 13 Murray St., Somerville.
 McAdams, P. S., 1C.
 13 Murray St., Somerville.
 Macallister, R., 2C. T. 28.
 McCarthy, J. C., *grM.* Malden.
 McCarthy, J. J., 1C.
 61 Marlboro' St., Chelsea.
 McCleary, S. F., 3Dv. D. 18.
 McClintock, W. H., 1L.
 60 Mt. Auburn.
 McClung, R. G., 1L. 52 Kirkland.
 McCollom, E. D., 1G. C. 9.
 McCormick, J. F., 1M.
 252 Lamartine St., Jamaica Plain.
 McCulloch, H., 1G. W. H. 59.
 McCullough, E. A., 2M. 51 Dana.
 McCurdy, G. G., 1sS. C. 3.
 McDaniel, R. B., 2C. 69 Dana.
 McDaniel, W. B., 3C. 69 Dana.
 McDermid, D., 1G. D. 22.
 McDonald, J. A., 2C. C. 24.
 McDonald, Will, 2C. 16 Oxford.
 MacDonald, William. 4C.
 64 Buckingham.
 Macdonald, W. H., 4M.
 City Hospital.*
 McDonald, W. J., 2sC. C. 24.
 McDonough, R. E., 1Dn.
 38 Moreland.*
 McElfresh, W. E., 1G. 60 Wendell.
 McElroy, G. L., 2C. Little's 5.
 McGeoch, A. N., 1L. 1 Garden.
 McGirr, F. F., 1C.
 17 Skehan St., Somerville.
 McGrath, J. E., 1M. Natick.
 McGrath, J. F., 1C. 12 Mt. Auburn.
 Machugh, J. B., 1sV. 23 Sharon.*
 McIntire, S. A., 3C. T. 40.
 McINTYRE, C. H., *Proctor*
 (also 1L.), Hulton 4.
 McIntyre, J. A., 3M. 122 Charles.*
 Mack, C. E., 1sC. Felton 23.
 Mack, E. S., 2L. 750 Cambridge.
 Mack, J. J., 1sC. Little's 32.
 Mack, M. S., 2C. 16 Story.
 McKay, G. T., 4C. 78 Mt. Auburn.
 Mackay, J. M., 4sC. Beck 42.
 MacKaye, J. M., 1sS. D. 35.
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 McKelleget, G. F., 4C.
 709 Cambridge.
 McKenna, F. P., 4M.
 210 Second St., So. Boston.
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 McKenzie, J. R., 2M. 139 Brookline.
 McKeon, T. J., 1sL. 1680 Cambridge.
 Mackie, W. C., 1C. H. 13.
 McKoan, J. W., 1M.
 2 Oxford Terrace.*
 McLaughlin, F. C., 3C.
 226 Elm St., Somerville.
 MacLeod, A. W., 1grDv. D. 26.
 McLeod, C. U., 1sL. 78 Berkeley.*
 Macleod, F. J., 1G. 96 Inman.
 McLeod, P. D., 2M. 149 W. Concord.*
 Macloon, G. R., 2Dn. 47 Hancock.*
 McMahan, T. J., 1L. 890 Main.
 McManus, J. J., 1M. 70 Chandler.*
 McMurry, J. G., 2L. Felton 34.
 McNear, F. W., 1L. H'y 19.

McNear, S. B., 1*C*. H'y 19.
 MacNichol, G. P., 2*M*.
 Harv. Med. Sch.*
 MacPherson, G. S., 1*M*.
 171 Trenton St., E. Boston.
 McPherson, H. S., 2*L*. T. 55.
 McSweeney, D. J., 1*M*.
 495 Harrison Ave.*
 MACVANE, S. M., *Prof.* 34 Kirkland.
 MacVeagh, E., 1*C*. 9 Linden.
 MacVeagh, W., 3*sC*. Little's 21.
 Madden, W. D., 1*M*.
 21 E. Chester Pk.*
 Magoun, G. B., 2*C*. Hilton 40.
 Magrath, G. B., 2*C*. Wadsworth 9.
 Magurn, F. T. L., 1*M*.
 77 Green St., Charlestown.
 Mahoney, F. X., 3*V* 8 Edgerly Pl.*
 Mairs, G. H., 1*L*. Beck 27.
 Malley, C. F. M., 2*C*. C. 47.
 MALLORY, F. B., *Asst.* 615 Tremont.*
 Malone, L. J., 3*C*. C. 63.
 Maloon, W. L., 1*C*. Felton 3.
 Manahan, H. W., 3*M*.
 193 Salem St., S. Lawrence.
 Manchester, P., 3*C*. Hilton 19.
 Manley, J., 3*C*. S. 8.
 Mann, A., 1*C*. T. 5.
 Manning, R. C., 1*G*. W. 51.
 Manning, R. L., 1*C* 1716 Cambridge.
 Mansfield, A. N., 1*G*.
 Mass. Inst. of Technology.*
 Mansfield, F. A., 1*grDv*.
 Mansfield, H. K., 2*M*.
 100 Pembroke.*
 MARCOU, P. B., *Tutor*, 42 Garden.
 Marcy, H. O., 3*C*. W. H. 14.
 MARK, E. L., *Prof.* 21 North Ave.
 MARSH, A. R., *Asst. Prof.* 19 Oxford.
 Marsh, A. W., 1*M*. 94 Pembroke.*
 Marsh, C. R., 1*C*. Quincy 4.
 Marsh, M. A., 1*G*. G. 45.
 Marshall, F. D., 3*sC*. T. 49.
 Marshall, J., 3*V*. Roxbury.
 Marsters, A. A., 2*C*. M. 46.
 Martin, F. H., 1*V*.
 257 Columbus Ave.*
 Martin, F. R., 3*C*. 344 Harvard.
 Martin, G. A., 1*C*. 1750 Cambridge.
 Martin, W. R., 1*sL*. 46 Mt. Auburn.
 Marvin, S. E., 3*C*. W. 19.
 Marvin, W. E., 2*L*. 11 Mellen.
 Maskell, L. J., 1*M*.
 304 Adams St., Newton.

Mason, A. G., 1*M*.
 39 Commonwealth Ave.*
 MASON, A. L., *Asst. Prof.*
 265 Clarendon.*
 MASON, C. F., *Bursar*,
 Wadsworth House.
 Mason, D. G., 1*C*. M. 14.
 Mason, F., 2*L*. 45 Mt. Auburn.
 Mathie, K., 1*G*. 58 Hammond.
 Matthaei, W. A., 2*L*. 34 Bigelow.
 Mauriac, P. H. de, 1*C*. H'ke 13.
 May, V. H., 1*C*. G. 9.
 May, W. R., 2*C*. Shepherd 15.
 Mayhew, B., 2*sS*.
 Park St., Somerville.
 Maynard, W. E. H., 3*C*. Read's 30.
 Mead, G. C., 1*G*. H. 28.
 Mead, W. W., 1*sL*. 19 Irving.
 Meader, J. H., 1*C*. T. 52.
 Meadows, H. G., 3*S*. H'ke 20.
 Meagher, J. B., 2*L*. 40 Kirkland.
 Meagher, J. W., 1*sC*. 40 Kirkland.
 Meehan, W. P., 2*C*. Warland 4.
 Mehegan, D. J., 1*M*.
 56 Park St., Taunton.
 Meigs, R. J., 1*M*. 206 W. Brookline.*
 Mellish, A. J. B., 4*C*. 16 Oxford.
 Mellus, E., 1*C*. C. 28.
 Mendel, E. M., 3*C*. W. H. 18.
 Mercer, W. J., 1*M*. 81 Chandler.*
 Merriam, C., 3*C*. W. H. 54.
 Merrick, C. I., 2*C*. T. 43.
 Merrick, R. M., 3*M*.
 671 Washington St., Dorchester.
 Merrifield, J. B., 1*sC*.
 486 Somerville Ave., Somerville.
 Merrill, E. G., 1*C*. W. H. 40.
 Merrill, E. W. D., 1*C*.
 1466 Tremont.*
 Merrill, J. D., 2*L*. T. 48.
 Merrill, J. F. A., 1*L*. Irving Pl.
 Merrill, S. M., 2*C*. T. 50.
 Merwin, E. P., 2*sS*. Little's 28.
 Metcalf, B. H., 1*M*.
 Elm St., W. Somerville.
 Metcalf, G., 2*C*. 13 Bow.
 Metcalf, H. C., 2*C*. G. 37.
 Meyer, H. R., 4*C*. 7 Sumner.
 Mezes, S. E., 3*G*. Felton 11.
 Millan, A. L., 3*C*. 12 DeWolf.
 Millard, A. H., 4*C*.
 Miller, D. D., 1*C*. W. 10.
 Miller, D. S., 2*G*. 12 Kirkland Pl.
 Miller, G. S., 2*C*. 6 Bond.

- Miller, L. C., 1M.
 Lyndeboro Hotel, Isabella St.*
 Miller, R. G., 3C. W. 10.
 Milliken, R. D., 1Dn. 178 W. Canton.*
 Mills, C. H., 1C. Little's 15.
 Mills, C. W., 1sS. 140 Mt. Auburn.
 MINOT, C. S., *Asst. Prof.*
 22 Marlboro'.*
 Minton, J. M., 2C. 890 Main.
 Mitchell, O. R., 2sL. 90 Charles.*
 MIX, C. L., *Proctor* (also 1M.), G. 24.
 MIXTER, S. J., *Demonstr.*
 180 Marlboro'.*
 Moffitt, H. C., 2M. 15 Blagden.*
 Molloy, J. E., 1C. 52 Mt. Auburn.
 Mongan, C. E., 3M.
 574 Somerville Ave., Somerville.
 MONKS, G. H., *Instr.* 399 Boylston.*
 Montague, H. B., 1L. 61 Brattle.
 Moody, C. E., 3C. D. 26.
 Moody, W. V. S., 3C. S. 18.
 MOORE, C. H., *Asst. Prof.* 19 Follen.
 Moore, E. M., 4C. 11 Felton.
 Moore, F. W., 3C. 392 Harvard.
 Moore, W. C., 3sS.
 140 Webster St., E. Boston.
 Moore, W. J., 2C. G. 20.
 Moran, H. S., 3M. Wakefield.
 Moran, J. J., 4M.
 Harvard Med. Sch.*
 MOREY, E. C., *Proctor* (also 2G.),
 Hilton 23.
 Morgan, C., 2C. Little's 3.
 Morgan, C. G., 2L. 139 Columbia.
 Morgan, G. C., 1sL. 713 Cambridge.
 Morgan, J. H., 2C. Beck 22.
 MORGAN, M. H., *Asst. Prof.*
 Hubbard Pk.
 Morgan, W. E., 1M.
 53 Allston St., Allston.
 Moriarty, J. L., 1M. 7 Harvard Sq.
 MORIARTY, P. W., *Demonstr.*
 Fields Corner.*
 MORISON, R. S., *Librarian*
 of *Divinity School*, 34 Shepard.
 Moritz, R. C., 3Dn. 24 Dartmouth.*
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 Morris, G. P., *grM.*
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 Morris, H., 1L. 74 Sacramento.
 Morrison, C. J., 1C. 862 Main.
 Morse, A. G., 2M. 14 Rutland Sq.*
 Morse, A. M., 1C. W. H. 34.
 Morse, E. R., 4C. 1586 Cambridge.
 Morse, F. L., 1M.
 54 Neal St., Marlboro'.
 Morse, G. T., 1sC. 1750 Cambridge.
 Morse, H. W., 1sS. 26 Mellen.
 Morse, J. H., 3sL. S. 15.
 Morse, L. K., 1L. S. 13.
 MORSE, R. M., *Overseer*,
 57 Equitable Building.*
 Morse, W. H., 2C. W. H. 34.
 Morton, A. M., 2L. 34½ Shepard.
 Morton, E. P., 1G. 60 Wendell.
 Morton, G., 1L. W. H. 52.
 Morton, J. F., 4C. C. 46.
 Morton, J. M., 1L. H'ke 25.
 Mosher, H. P., 4C. G. 22.
 Mosle, A. H., 3L. 94 Prescott.
 Moss, R. T. W., 2S. 894 Main.
 MOTLEY, T., *Instr.* Jamaica Plain.
 Motte, M. I., 4C. Little's 13.
 Mott-Smith, E. A., 1C. Felton 26.
 Moulton, J. G., 4C. G. 22.
 Mower, M., 2sC. 20 Holyoke.
 Mulford, R. J., 3C. 41 Bowdoin.
 Mullins, E. S., 3C. 9 Bow.
 Mullins, T. P., 1C.
 21 Third St., E. Cambridge.
 Mulkeeney, D. J., 2C.
 21 Henderson St., Arlington.
 MUNRO, J. C., *Asst.* 367 Boylston.*
 Munroe, F. C., 1C. 100 Mt. Auburn.
 Murch, A. L., 3V. 13 Cortes.*
 Murchie, G. G., 1C. W. H. 40.
 Murphy, C. O., 2M. 12 E. Dedham.*
 Murphy, J. H., 3M. 136 Hudson.*
 Murphy, T. J., 4M.
 298 Eustis St., Roxbury.
 Musgrave, P., 2C. 44 Brattle.
 Muzzey, D. S., 3C. T. 51.
 Myer, H., 3S. 19 Irving.
 Nakamura, K., 1sC. 26 Mellen.
 Nash, A. C., 2C. 739 Cambridge.
 NASH, B. H., *Prof.* 252 Beacon.*
 Nash, F. H., 1C. W. Acton.
 Nash, F. P., B. 252 Beacon.*
 Nash, H. P., 3C. C. 44.
 Nash, N. C., 3G. 19 Craigie.
 Naylor, W. A., 2V.
 Chipman St., Dorchester.
 Nealley, W. N., 1Dn.
 1 Oak St., Charlestown.
 Neave, C., 1L. 5 Brewster.
 Neff, R. W., 1sS. 38 Winthrop.
 Nelson, A., 1G.
 46 Springfield St., Somerville.

- Nelson, H. P., 1C. G. 31. Nutter, C. R., 3C. W. H. 60.
 Neuman, H. L., 2S. W. H. 27. Oakley, D., 3M. 126 Brattle.
 Newbert, E. E., 1gr.Dv. O'Brien, D. A., 3M. Harv.Med.Sch.*
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 Newcomb, W. S., 1C. 11 Mason. 11 School House Ct., Charlestown.
 Newell, F. S., 4C. Shepherd 12. O'Connor, T. H., 1sL. 52 Trowbridge.
 Newell, G. S. T., 1C. D. 14. O'Connor, W. F., 4C. 46 Kirkland.
 Newell, J. M., 2L. T. 15. Odiorne, W. B., 1C. 287 Harvard.
 Newell, M., 2C. H'ke 43. O'Donnell, L. P., 3M. Somerville.
 Newman, A. H., 1C. Little's 20. Oenslager, G., 2C. T. 24.
 Newman, A. K., 1L. 298 Broadway. Ogden, J. B., 3M. 45 W. Newton.*
 Newton, W. W., 1sC. 6 Acacia. O'Keefe, G. J., 1M.
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 Nichols, C., 2C. W. H. 51. Oliver, E. P., B. 27 Brimmer.*
 Nichols, G., 1G. Oliver, J. R., 2C. Read's 12.
 395 E. 5th St., So. Boston. Oliver, T. E., 3C. H'ke 11.
 NICHOLS, H., Asst. 12 Kirkland Pl. Oliver, W. H. P., 4C. G. 21.
 Nichols, H. G., 3C. H. 10. Olmsted, F. L., 2C. Wadsworth 1.
 Nichols, J. G., 1Dv. D. 32. Olney, W., 1G. 23 Irving.
 Nichols, J. L., 3C. 7 Linden. Olsson, F. A., 4S. 38 Shepard.
 Nichols, J. O., 2L. S. 15. Oppenheim, H., 1sL. 38 Winthrop.
 Nichols, J. R., 2C. D. 29. Orcutt, W. D., 4C. M. 32.
 Nichols, J. T., 3L. 4 Spence.* Ordway, G. F., 2C.
 Nichols, M. C., 4C. H'ke 35. 766 Dudley St., Dorchester.
 Nichols, P., 1C. Felton 2. Orwig, G. B., 1sC. W. H. 33.
 Nichols, W. C., 3C. 30 Holyoke. Osborn, L. E., 3C. W. H. 24.
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 Niles, E. C., 3L. 46 North Ave. Ostheimer, M., 2C. 20 Prescott.
 Niles, G. C., 2C. 48 Brattle. O'Sullivan, J. J., 1M.
 Ninde, D. B., 3C. 50A Kirkland. 53 Tremont St., Lawrence.
 Ninde, L. J., 1C. 50A Kirkland. Owens, J. G., 2G. Honduras, C. A.
 Nolen, W. W., 1L. Manter 2. Owens, J. V., 1sL. 17 Mellen.
 Noon, P. G., 1C. Owings, F. C., 1sL. 10 Frisbie Pl.
 9 Warland St., Cambridgeport. Packard, G. H., 1M.
 Norman, M., 1C. 48 Mt. Auburn. 133 Princeton St., E. Boston.
 North, M. N., 1V. Prospect Hill, Somerville. Page, A. K., 2M. 117 Falmouth.*
 NORTON, C. E., Prof. Irving St. Page, C. G., 2M. Chestnut Hill.
 Norton, H. H., 4C. T. 31. Page, G. A., 3C. H'y 1.
 Norton, H. L., 1M. Page, G. T., 4C. 113 Inman.
 72 Gardner St., Allston. Page, H. W., 2C. 78 Mt. Auburn.
 Norton, J. L., 1C. H'ke 21. Page, L. W., 1S. 126 Mt. Auburn.
 Norton, Richard, 4C. Irving St. Paine, C. C., 1sL. C. 60.
 Norton, Rupert, 3M. 71 Kirkland. Paine, J. B., 1L. Beck 35.
 Nott, C. C., 2L. 25 Holyoke. PAINE, J. K., Prof. 23 Hawthorn.
 Nowell, H. P., 3C. Beck 33. Paine, R. E., 2C. H'y 17.
 Noyes, C. E., 1C. 7 Ware. Painter, C. F., 1M. 48 W. Cedar.*
 Noyes, G. R., 2C. D. 1. Painter, G. S., 1G. 11 Mellen.
 Noyes, W. S. G., 1L. 54 Garden. Palmer, C. F., 2C. 17 Mellen.

- Palmer, E. H., 1L. 98 Mt. Vernon.*
 PALMER, G. H., *Prof.* 3 Mason.
 Palmer, G. M., 3M.
 Hotel Lyndeboro', Isabella St.*
 Palmeter, G. H., 1S. 715 Cambridge.
 Parker, C. D., 1C. Hilton 9.
 PARKER, C. P., *Instr.* 60 Shepard.
 Parker, G. A., B. Bussey Inst.*
 Parker, G. H., 5G. Wintergartenstr. 8,
 Leipzig, Germany.
 Parker, J. H., 3C. 53 Oxford.
 Parker, T., 1C. H'ke 27.
 PARKS, L., *Preacher*, 26 Brimmer.*
 Parrington, V. L., 3C. 13 Mt. Auburn.
 Parsons, H., 1L. 94 Prescott.
 Parsons, H. S., 2Dn. 58 Pinckney.*
 Parsons, P. G., 1L. 34 North Ave.
 Parsons, W. E., 3C. 12 Kirkland Pl.
 Partridge, L. E., 3L. S. 24.
 Pasfield, G. L., 1SL. 52A Kirkland.
 Patten, W. S., 1C. H'ke 9.
 Patterson, A. H., 4C. 22 Mt. Auburn.
 Patterson, A. M., 1C. Hilton 13.
 Patterson, H. W., 3C. H'ke 14.
 Patterson, T. F., 4C. H'ke 14.
 Patton, W. L., 2L. G. 50.
 Paul, J. J., 2L. 38 North Ave.
 Paul, W., 2L.
 21 Newhall St., E. Saugus.
 PEABODY, A. P., *Prof. Em.*
 and *Overseer*, 11 Quincy.
 Peabody, C., 3G. M. 35.
 PEABODY, F. G., *Prof.*
 Dresden, Germ.
 PEABODY, R. S., *Overseer*,
 Exchange Building.*
 Peabody, W. H., 4C. H'y 8.
 Peabody, W. R., 1C. H'ke 26.
 Peach, H. R., 3Dn. 79 Lafayette.*
 Pearce, W. C., 1SL. 7 Brown.
 Pearl, F. W., 2M. Bradford.
 Pearson, H. C., 4C. G. 1.
 Pearson, H. G., 3C. T. 56.
 Pease, W. A., 3C. W. 18.
 Peckham, A. I., 4C. W. 38.
 Peirce, A. B., 1SL. 40 Kirkland.
 PEIRCE, B. O., *Prof.* 51 Oxford.
 PEIRCE, G. J., *Asst.* (also 2G.),
 686 Main.
 PEIRCE, J. M., *Prof. and Dean*
 of *Grad. Sch.* 472 Broadway.
 Pelq, W. J., 2C. 45 Mt. Auburn.
 Peralta, F., 1SL. and B.
 104 Mt. Auburn.
 Percival, D. C., 1L. 217 Newbury.*
 Percival, F. W., 1Dn. 94 Appleton.*
 Perkins, A. E., 3SC. Dane Hall.
 PERKINS, C. E., *Asst. Demonstr.*
 147 Main St., Brockton.
 Perkins, E. A., 2C. G. 23.
 Perkins, J. M., 4C. S. 4.
 Perkins, R. F., 3C. 12 Garden.
 Perkins, T. N., 1L. 16 Oxford.
 Perry, A. R., 4C. H. 23.
 Perry, E. L., 1C.
 32 Orchard Pl., Dorchester.
 Perry, G., 2L. Wadsworth 5.
 Perry, J. D., 4C. 68 Mt. Auburn.
 Perry, R. R., 4C. 25 Holyoke.
 Peters, A. J., 1C. Hilton 17.
 Peters, F. Q., 1SC. 23 Irving.
 Pew, J. A., 2C. H'ke 47.
 PFEIFFER, G. J. O., *Asst.* Felton 32.
 Phelan, J. P., 1C. 20 Holyoke.
 Phelps, G. T., 4C. 16 Linnaean.
 Phelps, J. S., 3M.
 768 Boston St., Lynn.
 PHELPS, W. L., *Instr.*, (also 2G.),
 T. 54.
 Philbrook, G. R., 2C. G. 86.
 Phillips, W. E., 2G. 22 Mt. Auburn.
 Phillips, J. L., 3M. 708 Tremont.*
 Phillips, R. E., 2C. 12 Oxford.
 Phillips, S. W., 1C. D. 19.
 Phillips, W. L., 1M. Harv. Med. Sch.*
 PICKERING, E. C., *Prof.* and
 Director of A. O. Observatory.
 PICKERING, W. H., *Asst. Prof.*
 Acequipa, Peru.
 Pieper, C. D., 1Dn.
 849 Fourth St., So. Boston.
 Pier, A. S., 1C. 4 Arrow.
 Pierce, A. B., 1G. 91 Auburn.
 Pierce, Appleton II., 1M.
 32 Union Pk.*
 Pierce, Arthur H., 1G. 10 Mellen.
 Pierce, C. H., 3C. Shepherd 8.
 Pierce, C. S., 1C. 12 Oxford.
 Pierce, E., 4C. 404 Harvard.
 Pierce, G. B., 3C. 12 Oxford.
 Pierce, J. M., 4G. 84 Hancock.
 Pike, C. B., 3C. Beck 47.
 Pillsbury, A. L., 4SC. H. 19.
 Pillsbury, H. D., 1C. F. 6.
 Pinkham, A. M., 1C.
 465 Columbus Ave.*
 Pinkham, E. W., 4C. G. 29.
 Piper, F., 2M. 24 Allen.*

- Pitts, R. S., 1C. C. 18.
 Platt, W. B., B. Bussey Inst.*
 Plumb, G. E., 1L. 50A Kirkland.
 Plummer, A. J., 2C.
 176 Walnut St., Somerville.
 Plummer, F. W., 1M.
 176 Walnut St., Somerville.
 Poehler, L. C., 1L. 17 Mellen.
 POLL, M., Instr. 44 Shepard.
 POND, V. C., Instr. 344 Boylston.*
 Ponder J. W., ssL. 721 Cambridge.
 Pool, E. H., 1C. Felton 14.
 Poole, F. E., 4C.
 604 Sixth St., So. Boston.
 Poole, F. O., 1C.
 46 Mt. Vernon St., Somerville.
 Poole, G. B., 1sC. Warland 13.
 Poore, J. R., 1M. 543 Boylston.*
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 Office, 50 State.*
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 Porter, C. A., 4M. 5 Arlington.*
 PORTER, C. B., Prof. 5 Arlington.*
 Porter, C. H., 3C. W. 43.
 Porter, J. F., 1C. 10 Remington.
 Porter, J. O., 3C. Shepherd 10.
 Porter, V. M., 4C. H'y 10.
 Post, A., Clin. Instr. 16 Newbury.*
 Poth, C. A., 1sC. 44 Mt. Auburn.
 Potter, A., 1C. Beck 43.
 Potter, A. C., 1C. T. 30.
 Potter, C. A., 1L. Mt. Auburn.
 Potter, H. S., 4C. H'y 10.
 Potter, M. A., 1C. 782 Main.
 Potter, N. B., 1M. 21 Trowbridge.
 Potter, W., 3C. Beck 21.
 POTTER, W. H., Clin. Lecturer,
 40 Perrin.*
 Pow, F. R., 1sC. 50 Winthrop.
 Powers, E. J., 4M.
 750 Saratoga St., E. Boston.
 Powers, J. C., 4C. Shepherd 13.
 Powers, W. H., 1G. 409 Broadway.
 Powers, W. W., 1C. 894 Main.
 Pratt, F. S., 2C. T. 33.
 Pray, J. S., 1C. 13 Hilliard.
 Prentiss, H., 1sC. Beck 41.
 Prescott, F. C., 2C. G. 38.
 Prescott, H. L., 2C. G. 38.
 Prescott, O., 3L. 94 Prescott.
 Pressey, E. P., 3C. C. 16.
 Preston, W. A., 1C. 54 Trowbridge.
 Price, Walter H., 1M.
 14 Ashburton Pl.*
 Price, Wilfred H., 1sC. Mattapan.
 Priest, B. S., 1C. Watertown.
 Priest, G. W., 4C. Watertown.
 Pringle, R. W., 1G. 42 Mt. Auburn.
 Procter, P. C., 1M.
 18 Grant St., Dorchester.
 Procter, T. W., 1M. Newton.
 Proctor, T. E., 1C. Little's 7.
 Proper, E. E., 1G. 11 Appian Way.
 Prouty, H. L., 1sL. 38 North Ave.
 Prouty, L. I., 2C. H'ke 34.
 Puffer, J. M., 1sC. 365 Harvard.
 Pulsifer, G. R., 2L. 721 Cambridge.
 Purdon, J., 1C. H'ke 30.
 Purington, C. W., 3C. H. 3.
 Putnam, C. R. L., 1M. 67 Marlboro'.*
 PUTNAM, F. W., Prof. and Curator of
 Peabody Museum, 10 Remington.
 PUTNAM, H. W., Overseer,
 85 Devonshire.*
 PUTNAM, J. J., Instr.
 106 Marlboro'.*
 Putnam, J. L., 4C. 24 Quincy.
 Putnam, J. P., 1sDv. D. 24.
 Putnam, W. A., 1M.
 4A Clinton, Cambridgeport.
 Pyncheon, W. H. C., 2G. D. 38.
 Quick, O., 1C. 42 Mt. Auburn.
 Quigley, J. G., 1C. 866 Main.
 Quigley, W. A., 2C. 84 Mellen.
 Quinby, E. M., 2Dn.
 482 Columbus Ave.*
 Quinby, H. C., 2C. 408 Harvard.
 QUINCY, H. P., Instr. Dedham.
 Quinlan, G. F., 3V.
 6 Walnut St., Brookline.
 Quinn, F. A., 1sC.
 180 Lake View Ave.
 Quinn, J. A., 1M.
 239 C St., So. Boston.
 Quinn, J. C., 1L. 25 Mt. Auburn.
 Quinn, T. E., 1Dn. 1 Dartmouth Pl.*
 Quirk, C. H., 3M.
 224 W. Springfield.*
 Ramsay, C. C., 4C. D. 10.
 Rand, E. K., 2C. M. 28.
 Randall, A. T., 1sDv. 56 Mt. Auburn.
 Rankin, J. W., 4C. 1686 Cambridge.
 Rantoul, N., 4C. 896 Main.
 Raudenbush, H. W., 1S. 18 Sumner.
 RAWLE, F., Overseer,
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 Ray, T. F., 3C.
 29 Forest St., Roxbury.

- Raymond, R. L., 1C. 410 Harvard.
 Raymond, W. T., 4C. 13 Kirkland Pl.
 Read, J. B., 1C. 55 Appleton.
 Read, M. A., 3sS. H'ke 3.
 Reade, C. M., 2C. C. 29.
 Reagh, A. L., 2sS. Maple St., W. Roxbury.
 Reardon, E. E., 2C. C. 37.
 Reardon, T. J., 2M. 52 Corey St., Charlestown.
 Reddy, A. W., 3L. 409 Broadway.
 Reddy, J. W., 1M. 59 K St., So. Boston.
 Reed, B., 1C. S. 32.
 Reed, E. A., 4C. 98 Gardner St., Allston.
 Reed, J. O., 1G. 65 Oxford.
 Reed, W. H., 1C. 51 Ellery.
 Reed, W. M., 3C. S. 17.
 REISNER, G. A., *Asst.* (also 2G.), S. 10.
 REYNOLDS, E., *Asst.* 130 Marlboro'.*
 Rhoades, J. H., 3C. 739 Cambridge.
 Rhodes, S. N., 1sC. 18 Summer.
 Rhodes, D. P., 1C. Reservoir St.
 Rhodes, H. G., 3C. 44 Brattle.
 Rice, H. N., 2L. H'y 14.
 RICH, C. A., *Asst.* (also 3G.), G. 30.
 Richard, J. C., 1L. Beck 41.
 Richards, A. S., 2C. 18 Trowbridge Pl.
 Richards, F. H., 2C. T. 12.
 RICHARDS, H. M., *Asst.* (also 4S.), W. H. 56.
 Richards, J. W., 3sC. 16 Mellen.
 RICHARDS, T. W., *Inst.* W. H. 56.
 Richardson, F. K., 2Dn. 72 Pinckney.*
 Richardson, H. H., 1C. Little's 15.
 RICHARDSON, M. H., *Asst. Prof.* 224 Beacon.*
 Richardson, M. W., 2M. 80 Walnut St., Brookline.
 Richardson, S. C., 2C. M. 49.
 Richardson, T., 1C. 25 Holyoke.
 RICHARDSON, W. L., *Prof.* 225 Commonwealth Ave.*
 Richmond, H. I., 4S. D. 42.
 Ridout, J., 2sC. 19 Hilliard.
 Riley, J. F., 1Dn. 172 I St., So. Boston.
 Ringwalt, R. C., 1C. 880 Main.
 Rippey, T. A., 3C. H. 9.
 Risk, W. A., 4M. 114 Chandler.*
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 Rittler, W. F., 1M. 55 Chester Pk.*
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 Robbins, J., 1sC. 430 Meridian St., E. Boston.
 Robbins, R. C., 4C. Hilton 21.
 Roberts, H. A., 1M. Harv. Med. Sch.*
 Roberts, J. S., 2M. 16 Tremont St., Chelsea.
 Roberts, J. W., 1Dv. D. 9.
 Roberts, L. N., 3C. 404 Harvard.
 Roberts, O. F., 1sS. 20 Trowbridge.
 Roberts, W. D., 2G. Hotel Bristol.*
 Robey, W. H., 1M. 55 Virginia St., Dorchester.
 ROBINSON, B. L., *Instr.* 38 Cherry St., W. Somerville.
 Robinson, E. A., 1sC. 717 Cambridge.
 Robinson, F. N., 1G. G. 6.
 Robinson, G. P., 2M. 33 Gainsborough.*
 Robinson, W. H., 2M. 84 Cambridge St., Charlestown.
 Roché, E. C., 2C. C. 27.
 Rochemont, L. L. G. de, 2C. 11 Mellen.
 Rockwell, W. W., 1C. 6 Acacia.
 Rodriguez, M., 1sS. 104 Mt. Auburn.
 Roe, E. D., 5G. 70 Winthrop.
 Roess, L. J., 1C. 7 Bow.
 Rogers, E. H., 3C. 53 Norfolk.
 Rogers, W. C., 1C. 21 Linwood.*
 Rogerson, R., 4C. C. 40.
 Rolfe, C. J., 2L. 405 Broadway.
 Roman, J. P., 1sL. 11 Appian Way.
 Ronayne, D. P., 2M. 155 W. Canton.*
 Roots, L. H., 1G. H. 20.
 Rose, A., 2sC. 13 Norton.
 Rose, H. E., 3Dn. 80 Appleton.*
 Rose, P. la, 1C. M. 14.
 Rosen, W. T., 2C. 354 Harvard.
 Ross, W. S., 4C. 290 Harvard.
 ROTCH, T. M., *Asst. Prof.* 197 Commonwealth Ave.*
 Rothschild, A., 1sC. 1716 Cambridge.
 Rouillard, G. F., 2C. 423 Broadway.
 Rounsaville, B. H., 3C. S. 17.
 Rourke, J. E., 2M. 9 Elm St.,
 Harrison Sq., Dorchester.
 Rowe, J. C., 1C. 54 Mt. Auburn.
 Rowen, H. S., 4M. City Hospital.*
 ROYCE, J., *Asst. Prof.* 103 Irving.
 Rubel, J. L., 4C. C. 46.
 Rugg, G. B. C., 2C. Arlington.
 Ruoff, H. W., 1Dv. 47 Trowbridge.
 Ruppel, E. F., 3M. 18 Holyoke.*

- Russell, A. J., 1C. Weston.
 Russell, M. F., 2C. W. 52.
 Russell, S. J., 2M. * 99 Appleton.*
 RUSSELL, W. G., *Overseer*,
 178 Beacon.*
 Rust, F. L., 1sS. W. 35.
 Ryerson, E. W., 1C. 1734 Cambridge.
 Saben, I. M., 1sC. 16 Story.
 SABINE, W. C., *Instr.* 55 Trowbridge.
 Sackett, F. M., 2L. 10 Frisbie Pl.
 St. John, W. H., 1G. 12 Appian Way.
 Saltonstall, E. P., 2C. 9 Linden.
 SALTONSTALL, L., *Overseer*,
 Chestnut Hill.
 Saltonstall, R., 4C. 896 Main.
 Sanborn, W. L., 3C. W. H. 88.
 Sand, H. A. L., 1C. H'ke 44.
 Sand, M. L., 2C. W. 37.
 Sanders, F. W., 1Dv. 46 North Ave.
 Sanders, L. P., 3C. W. H. 2.
 Sanders, N. S. H., 3C. 34 North Ave.
 SANDERSON, R. L., *Asst. Prof.*
 386 Harvard.
 Sanford, L. C., 2G. Lawrence 28.
 Sanford, S. N. F., 1sC. 6 Story.
 SANTAYANA, G., *Instr.* S. 7.
 Sargent, A. N., 2M.
 38 Harbor St., Salem.
 SARGENT, C. S., *Prof.* and
Director of Arboretum, Brookline.
 SARGENT, D. A., *Director of Hem-*
enway Gymnasium, 27 Everett.
 Sargent, G. B., 1M. 13 Lancaster.
 SARGENT, J. O., *Overseer*,
 28 E. 35th St., New York.
 Sargent, J., 1C. Hilton 14.
 Saunders, A. C., 2M. 441 Cambridge.
 Saunders, C. E., 1G. 15 Shepard.
 Savage, J. J., 1M.
 3 Jefferson St., Lowell.
 Savage, P. H., 3sC. H'ke 28.
 Saville, H., 3C. Hilton 27.
 Saville, S. C., 1M. 57 Shepard.
 Sawyer, A. W., 1V.
 Summer St., Saugus.
 Sawyer, S. G., 1V.
 76 Ashford St., Allston.
 Sawyer, W. F., 4M. City Hospital.*
 Sawyer, W. S., 2sC. W. 32.
 Saxe, J. A., 3L.
 Washington St., Brookline.
 Saxe, J. W., 3L.
 Washington St., Brookline.
 Saxman, C. W., 1sS. Felton 15.
 Scales, O. C., 1L. 298 Broadway.
 Schaffner, A. B., 1C. F. 7.
 Schereschewsky, J. W., 1C.
 69 Brattle.
 Scheuer, L. M., 1L. M. 48.
 SCHILLING, H. K., *Asst. Prof.*
 11 Avon.
 Schlesinger, B. F., 1sS. Quincy 6.
 Schliemann, W. E., 1grDv.
 30 Mt. Pleasant.
 Schoff, W. H., 2C. 13 Remington.
 SCHOFIELD, W., *Instr.* 5 Tremont.*
 Schurz, C. L., 3C. T. 36.
 Schwab, S. I., 2C. 61 Oxford.
 Schwarz, G. F., 1sC. 69 Oxford.
 Scott, E., 2C. 60 Brattle.
 Scott, J. B., 2G.
 c/o Mendelssohn & Co., Berlin, Germ.
 Scott, J. J., 1sL.
 90 Spring, E. Cambridge.
 Scribner, F. K., 1L. 38 North Ave.
 SCUDDER, C. L., *Asst.* (also
Gr. M.) 94 Charles.*
 Scudder, G. H., 4C. T. 6.
 Scull, M. L., 1C. 37 Brattle.
 SEARLE, A., *Prof.* 41 Concord Ave.
 Sears, H. E., 3C. T. 11.
 SEARS, H. F., *Asst.* 86 Beacon.*
 Sears, L. B., 3C. Scott St.
 Sears, P. S., 3L. 51 Beacon.*
 Sears, W. R., 1L. Little's 16.
 Seasingood, C., 2C. M. 17.
 Seavey, W. M., 3L. 46 North Ave.
 Sedgwick, E., 2C. H'y 22.
 Selfridge, G. S., 2L.
 U. S. Navy Yard, Charlestown.
 Sellers, M. B., 3L. 101 Trowbridge.
 Selva, J., 3M. 94 Pembroke.*
 Severance, W. E., 1C.
 24 Johnson St., Lynn.
 Sewall, H. I., 2C. Read's 20.
 Shackford, M. A. C., 1C. C. 42.
 Shackford, S. B., 2C. C. 42.
 SHALER, N. S., *Prof.* 25 Quincy.
 Shapleigh, A. L., 1M. Allston.
 Sharp, J. C., 2C. G. 25.
 Sharples, P. P., 1C. 22 Concord Ave.
 Shattuck, A. M., 1M. 230 W. Canton.*
 SHATTUCK, F. C., *Prof.*
 135 Marlboro'*.
 SHATTUCK, G. B., *Overseer*,
 183 Beacon.*
 SHATTUCK, G. O., *Overseer*,
 166 Beacon.*

- Shattuck, J., 4C. W. H. 45.
 Shaw, Albert J., 2M. 7 Hudson St., Dorchester.
 Shaw, Arthur J., 2M. 7 Hudson St., Dorchester.
 Shaw, C. A., 1C. T. 51.
 Shaw, E. D., 3C. 473 Broadway.
 Shaw, F. K., 1M. 67 Pearl St., Charlestown.
 Shaw, H. G., 3C. 11 Appian Way.
 Shaw, J. C., 1G. 54 Mt. Auburn.
 Shaw, J. H., 3M. 140 W. Canton.*
 Shaw, R. G., 1sC. Little's 4.
 Shaw, R. K., 2C. 37 Trowbridge.
 Shea, D. W., 2C. W. 30.
 Shea, W. H., 4C. G. 41.
 Shead, O. W., 3C. G. 11.
 Sheehan, M. D., 1V. Walnut St., Brookline.
 Sheffield, J. B., 4C. W. 42.
 Sheffield, J. P., 1L. 739 Cambridge.
 SHELDON, E. S., *Asst. Prof.* 27 Hurlbut.
 Sheldon, W. H., 1C. C. 8.
 Shepard, B. H., 2sC. 5 Linden.
 Shepard, R. H., 4C. M. 9.
 Shepard, T. O., 4M. 89 Mt. Vernon.*
 Sheppard, J. J., 2C. G. 34.
 Sherman, O. T., 3sL. 379 Harvard.
 SHERMAN, T. F., *Asst.* 25 Rutland Sq.*
 Sherman, W. H., 1sC. 19 Irving.
 Sherwin, T. E., 2C. W. 11.
 Sherwood, H. C., 3C. 96 Prescott.
 Sherwood, W., 1M. 21 Batavia.*
 Shope, C. W., 2C. T. 32.
 Shores, H. T., 1M. W. Bridgewater.
 Short, W. A. D., 2C. Read's 28.
 Shreve, B. D., 1sC. Warland 5.
 Shuman, G. H., 1C. Little's 17.
 Shurtleff, G. F., 3M. 36 Charter.*
 Sibley, G. F., 3C. 14 Oxford.
 Sidley, W. P., 1sL. 14 Kirkland Pl.
 Siedhof, C. F. A., 4C. 32 Irving.
 Silva, F. P., 3M. 103 Rutherford Ave., Charlestown.
 Simonds, H. R., 1C. Little's 9.
 Simons, M. O., 1Dv. H'y 14.
 Simpkins, C. R., 4sC. Shepherd 2.
 Simpson, B. N., 3C. 750 Cambridge.
 Simpson, H. Y., 4C. M. 57.
 Singer, W. F., 1M. 293 Columbus Ave.*
 Skinner, C. S., 2L. 58 Hammond.
 Skinner, M. M., 2C. 2849 Washington.*
 Skinner, S. A. M., 3L. 58 Hammond.
 SLACK, Miss F. M., *Libr. at M. Z.* Hammond St.
 Slade, C. H., 3C. F. 8.
 SLADE, D. D., *Lect.* Chestnut Hill.
 Slade, E., 1sS. 60 Mt. Auburn.
 Slater, J. R., 2C. C. 6.
 Slattery, C. H., 2L. 542 E. Broadway, So. Boston.
 Slattery, C. L., 1G. Lawrence 10.
 Sleeper, H. A., 1C. 403 Charles.*
 Slocum, A. W., 2G. 19 Irving.
 Sloss, M. C., 2L. 17 Yarmouth.*
 Small, F. H., 1G. C. 62.
 Small, R. D., 2C. T. 37.
 Smart, G. T., 1sC. Swampscott.
 Smith, A. G., 1Dn. 69 Dartmouth.*
 Smith, A. V., 2M. 68 Chandler.*
 Smith, C. A., 1G. Little's 29.
 Smith, C. E., 1C. 6 Story.
 Smith, C. F., 1L. 300 Beacon.*
 Smith, C. F. A., 2L. 786 Lincoln St., Waltham.
 SMITH, C. L., *Prof.* 94 Brattle.
 Smith, C. M., 3M. 78 Arlington St., Brighton.
 SMITH, C. S., *Lect.* 264 W. 57th St., New York, N.Y.
 Smith, C. Z., 1C. 5 Revere.
 Smith, D. L., 1L. 715 Cambridge.
 Smith, E. B., 3C. 97 Columbia.
 SMITH, E. H., *Instr.* 283 Dartmouth.*
 Smith, F. C., 1M. 14 Worcester Sq.*
 Smith, Frank S., 1M. 156 W. Newton.*
 Smith, Fred S., 1M. No. Andover Depot.
 Smith, G. L., 1C. 94 Brattle.
 Smith, G. S., 3M. 14 Holyoke.*
 Smith, H. B., 3sC. T. 2.
 Smith, H. C., 3C. Hilton 2.
 Smith, H. S., 1G. 30 Irving.
 Smith, Harrison W., 1C. 40 Mill St., Dorchester.
 Smith, Harry W., 2M. 19 Stephen St., Lynn.
 Smith, I. A., 1C. 5 Tower Ct., Somerville.
 SMITH, J., *Prof.* 4 Berkeley.
 Smith, J., 4C. Hilton 10.
 Smith, J. C., 1C. Little's 23.
 Smith, J. F., 1sS. 5 Linden.

- Smith, J. J., 2*Dn.* 47 Hancock.*
 Smith, J. W., 2*C.* W. 12.
 Smith, K., 2*C.* 1750 Cambridge.
 Smith, L. C., 4*C.* 56 Mt. Auburn.
 Smith, L. E., 1*sC.* H'ke 6.
 Smith, L. G., 4*C.* 437 Shawmut Ave.*
 Smith, L. J., 1*M.* 1 Bowdoin.*
 Smith, R. G., 3*C.* W. 26.
 Smith, R. P., 1*sL.* 34 Linnaean.
 Smith, T. B., 1*M.* 96 Stackpole St., Lowell.
 Smith, T. C., 4*C.* Wadsworth 13.
 Smith, W. B., 1*L.* 126 Mt. Auburn.
 Smith, W. T., 1*sS.* Man. Train. School.
 Smithwick, M. P., 1*M.* 49 Dwight.*
 Smyth, D. D., 1*G.* 10 Dana.
 Snattinger, B., 2*C.* D. 25.
 Snell, H. L. W., 1*C.* T. 19.
 Snow, F., *Instr.* H'y 20.
 Snow, F. S., 1*C.* G. 40.
 Snow, W., 2*Dn.* 171 Falmouth.*
 Soch, C. A., 2*C.* 126 Mt. Auburn.
 Soren, T. H., 3*C.* T. 65.
 Sornborger, J. D., 1*sS.* 45 Sacramento.
 Sosnowski, P., 1*M.* 65 W. Brookline.*
 Soule, F. E., 1*L.* W. H. 2.
 SOULE, W., *Surg. at Vet. Hosp.* 50 Village.*
 Southwick, H. C., 3*C.* 1734 Cambridge.
 SOUTHWORTH, F. C., *Proctor* (also 3*Dv.*), Felton 18.
 Southworth, O. S., 1*sC.* 60 Mt. Auburn.
 Soutter, L., 1*C.* W. H. 17.
 Soutter, R., 2*C.* W. H. 17.
 Spalting, F. M., 3*C.* 8 Scott.
 Spalding, P. L., 4*C.* 28 Holyoke.
 Spalding, T., 1*C.* T. 45.
 Spear, W. M., 1*M.* Harv. Med. Sch.*
 Spencer, C. W., 3*L.* 19 Garfield.
 SPENCER, D. E., *Asst.* (also 2*G.*), 46 North Ave.
 Spencer, G. A., 3*M.* Ipswich.
 Spencer, H. B., 1*C.* 25 Holyoke.
 Spooner, H. G., 2*C.* Hilton 38.
 SPRAGUE, H. H., *Overseer*, 19 Milk.*
 Sprague, J. L., 2*M.* Harv. Med. Sch.*
 Sprague, O. M. W., 2*C.* 365 Harvard.
 Sprague, W. D., 2*C.* 146 Austin.
 Spurr, J. E., 3*C.* C. 9.
 Stacey, C. F., 4*M.* City Hospital.*
 Stackpole, J. L., 1*C.* Manter 6.
 Stafford, W. H., 2*L.* 122 Oxford.
 Stanley, F. D., 2*sL.* 52A Kirkland.
 STANTON, J. E., *Instr.* 414 Boylston.*
 Stanton, T. L., 1*M.* 193 W. Springfield.*
 Stapleton, J. F., 1*L.* 29 Putnam Ave.
 Starbird, E. P., 2*M.* 549 Dudley St., Dorchester.*
 Starek, O., 1*C.* 54 Mt. Auburn.
 Stark, W. E., 1*C.* 38 Linnaean.
 Starkey, F. H., 4*C.* 6 Story.
 Starr, F. R., 3*M.* 10 Worcester Sq.*
 Stearns, A. K., 1*L.* 1750 Cambridge.
 Stearns, C. E., 1*L.* M. 45.
 Stearns, C. F., 2*L.* 1716 Cambridge.
 Stearns, E. S., *B.* 6 Everett.
 Stearns, F. S., 3*C.* 47 Trowbridge.
 Stearns, F. U., 3*C.* T. 18.
 Stearns, V. A., 1*L.* 50 Kirkland.
 Stearns, W. B., 3*C.* 77 Mt. Auburn.
 STEBBINS, F. S., *Proctor* (also 2*L.*), C. 17.
 Stebbins, W. G., 4*M.* City Hospital.*
 Steedman, G. F., 4*C.* Beck 46.
 Steese, E. S., 2*M.* Brookline.
 Stein, F. M., 1*sC.* W. H. 19.
 Stephens, G., 4*C.* H. 12.
 Stern, L., 2*C.* 20 Prescott.
 Sternfeld, J., 1*sC.* 96 Ellery.
 Stetson, C., 2*C.* 18 Sumner.
 Stetson, C. R., 2*C.* T. 12.
 Stetson, F. E., 3*C.* W. H. 7.
 Stetson, F. W., 2*C.* G. 10.
 Stevens, C., 1*S.* 26 Gray.
 Stevens, C. B., 3*M.* 23 Queen St., Worcester.
 Stevens, H. B., 1*M.* 4 Union Pk.*
 Stevens, H. N., 1*sC.* 14 Oxford.
 Stevens, J. E., 4*C.* W. 33.
 Stevens, O. L., 2*C.* C. 44.
 Stevens, R. L., 3*C.* 56 Wendell.
 Stevens, W. W., 1*C.* C. 26.
 Stevenson, A. F., 1*C.* 1734 Cambridge.
 Stevenson, C., 1*L.* 44 Langdon.
 Stewart, F. H., 4*C.* H. 4.

- Stickney, E. P., 4*M.*
Children's Hospital.*
- Stickney, H. H., 3*C.* G. 52.
Stickney, J. T., 1*C.* 12 Oxford.
Stickney, W., 1*L.* W. H. 15.
Stiger, E. T., 1*C.* 23 Irving.
Stiles, H. K., 1*M.* Newtonville.
Stiness, E. C., 1*L.* 10 Frisbie Pl.
Stix, A. I., 2*C.* M. 17.
Stockton, L. M., 1*L.* W. H. 15.
STODDARD, A. H., *Instr.*
196 Marlboro'.*
Stoker, G. E., 1*sC.* 53 Trowbridge.
Stone, A. P., 3*C.* 132 North Ave.
Stone, H. S., 2*C.* W. H. 23.
Stone, James S., 2*M.*
181 Vernon St., Newton.
Stone, John S., 2*sS.* Quincy 12.
Stone, R., 3*C.* 68 Mt. Auburn.
Stone, W. C., 2*C.* Mt. Auburn.
STORER, F. H., *Prof. and Dean*
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STORER, J. H., *Curator of Coins*,
113 Devonshire.*
Stoughton, L. H., 1*sDv.* 11 Wendell.
Stranahan, F. S., *sL.* 20 Prescott.
Straus, J. I., 3*C.* W. 4.
Stricker, S. G., *sL.* 10 Mellen.
STRONG, C. P., *Asst.* 1 Exeter.*
Strong, L. W., 3*C.* W. 54.
Strong, W. J. H., 3*C.* W. H. 44.
Strout, H. T., 1*L.* 14 Craigie.
Stuart, T. P., 1*sL.*
Stubbs, F. R., 3*C.* 45 Pearl.
Sturgis, C. R., 3*C.* 7 Linden.
Sturgis, E., 1*G.* and *B.* 9 Chestnut.*
Sullivan, D. A., 1*M.*
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Sullivan, G. H., 1*M.*
199 Webster St., E. Boston.
Sullivan, J., 2*C.* C. 69.
SULLIVAN, J. J., *Steward Dining*
Hall, 120 Prospect.
Sullivan, J. S., 1*M.*
29 Temple St., Worcester.
Sullivan, S. M., 2*sC.* C. 69.
SUMICHRIST, F. C. de, *Asst. Prof.*
16 Quincy.
Surbridge, R. C., 2*L.*
160 North Ave.
Surette, T. W., 2*sC.* Concord.
Swan, C. L., 1*M.* Stoughton.
Sweeny, A., 2*L.* 454 Broadway.
Sweet, C. F., 2*M.* 223 W. Canton.*
- Swendsen, G. L., 1*S.* 421 Broadway.
Swett, P. W., 2*M.*
5 Oxford Terrace.*
Swift, H. M., 2*C.* 96 Prescott.
SWIFT, J. B., *Clin. Instr.*
11 Gloucester.*
Sylvester, J. P., 1*C.* M. 56.
Sylvester, T. H., 3*C.*
Arlington Heights.
Taber, E. C., 1*sC.* 100 Mt. Auburn.
TART, C. H., *Instr.* 15 Brattle Sq.
Taft, G. L., 1*Dn.* 17 Lowell.
Talbot, H. R., 1*sC.* 66 Marlboro'.*
Talbott, B. L., 1*M.*
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Tanner, C., 1*sS.* 421 Broadway.
Tanner, J. M., 1*L.* 421 Broadway.
Tanner, L. A., 2*C.* D. 4.
Tarbell, A. W., 1*sC.* Little's 14.
TARBELL, F. B., *Instr.* M. 7.
Tarr, R. S., 1*G.* Gloucester.
Tassin, A. de V., 4*C.* G. 15.
Tassin, W. de V., 2*sS.* H. 24.
Tatem, J. F., 1*L.* 18 Sumner.
Tatman, C. T., 1*L.* W. 43.
Tausig, F. J., 3*C.* W. 29.
TAUSSIG, F. W., *Asst. Prof.*
2 Scott.
Tausig, J. C., 3*C.* W. 29.
Taylor, A. S. G., 2*C.* M. 53.
Taylor, H. F., 2*C.* W. H. 50.
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Taylor, P. E., 4*S.* 40 Kirkland.
Taylor, W. O., 3*C.* Little's 30.
Tebbetts, T. C., 4*C.* H'ke 32.
Teale, A. P., 1*C.* H'ke 36.
Teetzel, H. L., 3*C.* 81 North Ave.
Tenney, W. L., 1*G.* Wakefield.
Tenney, W. N., 1*M.*
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Thaw, H. K., 2*sC.* Quincy 7.
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Thaxter, G. N., 2*C.* 810 Marlboro'.*
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Thayer, H. W., 1*sC.* Little's 26.
Thayer, J. A., *sL.* 721 Cambridge.
THAYER, J. B., *Prof.* 5 Phillips Pl.
THAYER, J. H., *Prof.*
c/o Baring Bros., London, Eng.
Thayer, S. V. R., 1*S.* Shepherd 6.

- Thomas, F. H., 2sC. 44 Mt. Auburn.
 Thomas, G. H., 1M. 118 Princeton St., E. Boston.
 Thomas, J. C., 1sL. 5 Shepard.
 Thomas, J. W., 1sC. 2 Butler Pl.
 Thomas, R. K., 1C. 50 Brattle.
 Thomas, V. S., 1C. 9 Francis Ave.
 Thompson, F. P., 1C. H'ke 23.
 Thompson, H. J., 2M. 117 Falmouth.*
 Thompson, H. W., 2L. 6 Felton.
 Thompson, J. L., 1C. 6 Story.
 Thompson, J. M., 2C. Beck 25.
 Thompson, L., 4C. H'y 24.
 Thompson, L. S., 4C. 62 Buckingham.
 Thompson, W. L., 3C. Hilton 34.
 Thorndike, T. W., 1M. 22 Newbury.*
 Thorndike, W., 4C. G. 28.
 Thorpe, W., 1sC. M. 38.
 Thwaits, F. C., 2C. 715 Cambridge.
 Tiffany, D., 1C. 18 Appian Way.
 Tilden, I. N., 2sC. C. 15.
 Tileston, W., 1C. G. 4.
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 Tillinghast, W. R., 1L. 14 Cottage Pl., Cambridgeport.
 Tilton, E. J., 4M. 14 W. Cedar.*
 Tinkham, G. H., 2C. 20 Prescott.
 Tirrel, V. M., 2M. So. Weymouth.
 Tisdale, A. R., 1L. 12 Oxford.
 Tooker, D., 1C. 1716 Cambridge.
 Toomey, J. P., 3M. Harv. Med. Sch.*
 TORREY, D. C., Proctor and Editor of the Catalogue, Read's 24.
 TORREY, H. W., Prof. Em. and Overseer, 20 Oxford.
 TORREY, J., Instr. 52B Kirkland.
 Totten, H., 3C. T. 4.
 Tower, G. W., 2C. C. 53.
 Towne, C. F. C., 1C. Bradford.
 Towne, G. W., 1G. 23 Trowbridge.
 TOWNSEND, C. W., Asst. 61 Chestnut.*
 Townsend, E. S., 3C. 17 Dartmouth St., Somerville.
 Townsend, F., 3C. W. H. 4.
 Tor, C. H., Prof. 7 Lowell.
 Trafford, B. W., 3C. M. 5.
 Travis, A. F., 2C. H. 26.
 Treanor, J. P., 2M. 29 Mt. Vernon St., Dorchester.
 Treat, E. L., 1sC. 12 Kirkland Pl.
 Tripp, P. E., 2S. W. 16.
 Trotter, F. B., 3C.
 Trotter, W. M., 1C. C. 38.
 TROWBRIDGE, J., Prof. and Director of Jeff. Phys. Lab. 58 Linnaean.
 Trusdell, H. C., 1L. 44 Brattle.
 Tryon, J. L., 2C. 467 Broadway.
 Tryon, W. P., 4C. C. 12.
 TUCKER, W. J., Lect. Andover.
 Tuckerman, E., 2C. W. 34.
 Tudor, H. D., 1C. Hilton 36.
 Tukey, F. M., 1M. 104 Westminster.*
 Tunis, J., 1G. 265 Harvard.
 Turnbull, D. F., 1S. 404 Harvard.
 Turner, G., 3C. 5 Gerry.
 Turnure, P. R., 2C. Beck 3.
 TUTTLE, A. H., Instr. 731 Main.
 Tuttle, L. E., 1V. 40 Austin St., Hyde Park.
 Twombly, J. F., 2C. H'ke 42.
 TwoRoger, P., 3sL. 35 Bromley Pk., Roxbury.
 Underhill, J., 2C. M. 25.
 Underwood, F. A., 1M. 95 Eastern Ave., Worcester.
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 UPHAM, H. L., Instr. 128 Charles.*
 Upton, J. D., 3C. 20 Trowbridge.
 Vail, D. R., 3C. H'ke 4.
 Vail, T. G., 1L. H. 1.
 Van Benschoten, W. C., 1G. 11 Mellen.
 Van Brunt, C. G., 4C. H'y 13.
 Van Deventer, H., 2L. 40 Kirkland.
 VAN DYKE, H., Preacher, 10 W. 39th St., New York, N.Y.
 Van Kleeck, W. L., 1C. H'ke 19.
 Van Rensselaer, S., 4C. 16 Dunster.
 Varney, A. W., 1G. 220 Brattle.
 Varney, C. D., 2C. T. 49.
 Varnum, F. J., 2M. 548 Shawmut Ave.*
 Vaughan, H. G., 2L. 24 Concord Ave.
 Vaughan, J. F., 1S. 7 Brewster.
 Vco, L. N., 1Dn. Lowell.
 VICKERY, H. F., Instr. 37 Hancock.*

- Viles, G. B., 4C. C. 2.
 Villard, O. G., 3C. Little's 12.
 Virtue, G. O., 3C. 17 Mellen.
 Vogel, F., 3G. Mass. Inst. Tech.*
 Vose, E. N., 2C. 12 Kirkland Pl.
 Vrooman, C., 1sC. Felton 12.
 Vrooman, H. C., 1sC. Felton 12.
 Wadsworth, J. S., 1sC. 13 Bow.
 WADSWORTH, O. F., *Prof.*
 393 Boylston.*
 Wainwright, R., 1G. 100 Mt. Auburn.
 Wair, J. C., *Instr.* 101 Hammond.
 Walcott, C., 4C. M. 24.
 Walcott, G., 3C. 11 Waterhouse.
 WALCOTT, H. P., *Fellow*,
 11 Waterhouse.
 Walcott, R., 1C. 11 Waterhouse.
 Walden, J. W. H., 4G.
 Berlin, Germany.
 Walker, B., 1C. 289 Harvard.
 Walker, C. C., 4C. 9 Bow.
 Walker, E. G., 4C. C. 65.
 Walker, E. L., 2sS. D. 2.
 Walker, G. A., 2C. 19 Hilliard.
 Walker, H. P., 1C. W. 48.
 Wall, J. F., 1L.
 6 Madison Ave., Charlestown.
 Wallerstein, A., 2C. Felton 21.
 Walsh, T., 1C. 14 Oxford.
 WALTON, G. L., *Clin. Instr.*
 6 Beacon.*
 Walton, W. J., 1Dn. Mattapan.
 Ward, A. H., 3L.
 60 Linden St., Allston.
 Ward, C. L., 2L. 25 Holyoke.
 Ward, H. B., 2G. 12 Farwell Pl.
 WARD, R. De C., *Asst.*
 (also 2G.), 21 Chestnut.*
 Ward, S., 4C. H'ke 1.
 Wardner, A., 1S. G. 8.
 Wardner, G. P., 2L. Read's 2.
 Ware, H., 3C. H. 32.
 Ware, R. D., 2L. H'ke 49.
 Warren, C., 2L. Wadsworth 5.
 Warren, E. H., 1C. M. 19.
 Warren, G. F., 1V.
 Park St., Danvers.
 Warren, H. E., 2M. 53 North Ave.
 WARREN, J. C., *Assoc. Prof.*
 58 Beacon.*
 Warren, P. B., 1sL. 52A Kirkland.
 Warren, W. H., 2G. 344 Shepard.
 Washburn, H. B., 1G.
 Lawrence 11.
 Washburn, J. M., 1C.
 1734 Cambridge.
 Washburn, P., 1C. 40 Kirkland.
 Washburn, R., 2C. H'y 22.
 Washburn, R. M., 2L. 2 Holmes Pl.
 Wasserman, S., 2L. 423 Broadway.
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 101 Converse Ave., Malden.
 Waterman, G. A., 1C.
 38 Florence St., Malden.
 Waterman, J. H., 2M.
 162 Huntington Ave.*
 Waterman, W. B., 1G. D. 30.
 Waters, B. G., 1C. M. 18.
 Waters, L. V., 1C. 61 Oxford.
 Watriss, F. N., 4C. Beck 6.
 Watrous, M. W., 1sL. 50 Kirkland.
 WATSON, B. M., *Instr.*
 Jamaica Plain.
 WATSON, F. S., *Clin. Instr.*
 263 Clarendon.*
 WATSON, S., *Curator of Herb.*
 56 Shepard.
 Watts, H. F. R., 2M. 176 Charles.*
 Waughop, P. R., 2M.
 138 Huntington Ave.*
 Webb, F., 1C. G. 46.
 Webber, A. B., 4C. 777 Main.
 Webber, S. E., 1M.
 186 Washington St., Brookline.
 Webster, J. R., 3C.
 126 Mt. Auburn.
 Weed, H. D., 2C. T. 62.
 Weed, W. M., 4C. T. 62.
 Weill, A. S., 1sC. W. 50.
 Weill, S., 1sC. Felton 24.
 WEINSCHENK, G., *Printer*,
 1 Revere.
 Weir, E. A., 2M. 62 Clarendon.*
 Weis, J. D., 1C. 1750 Cambridge.
 Weitzel, G. T., 2S. 354 Harvard.
 Weld, A. R., 1L. T. 8.
 Weld, E. M., 3C. T. 8.
 WELD, S. M., *Overseer*, 89 State.*
 Weller, F. J., 1M.
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 Wellington, A. J., 2C.
 8 Maple St., Arlington.
 Wellman, H. C., 2C. H. 29.
 Wells, B., 2C. W. 1.
 Wells, D. D., 3sC. 30 Irving.
 Wells, G. D., 2C. Shepherd 9.
 Wells, W., 2L. M. 45.
 WENDELL, B., *Asst. Prof.* G. 18.

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 WENTWORTH, A. H., *Instr.*
 52 Hereford.*
 Wentworth, E. E., 1*G*. 63 Hancock.
 Wentworth, J. N., 2*C*. C. 32.
 Wentworth, M., 2*C*. C. 32.
 Wentworth, S., 1*sC*. G. 39.
 Wertheimer, A., 1*C*. Little's 17.
 West, G. L., 2*M*.
 49 Brown Ave., Roslindale.
 Westcott, W. R., 4*C*. H'y 13.
 WESTGATE, L. G., *Asst.*
 (also 1*G*.), 13 Mt. Auburn.
 Weston, T., 1*C*. T. 41.
 Wetmore, A. L., 2*C*. Beck 24.
 Wetmore, C. D., 3*L*. Manter 1.
 WETMORE, E., *Overseer*,
 45 Williams St., New York, N. Y.
 Weyssse, A. W., 1*G*. H. 20.
 Wheate, A. F., 2*M*.
 190 W. Brookline.*
 Wheatland, R., 1*C*. H'ke 22.
 Wheaton, J. L., 1*M*.
 33 St. James Ave.*
 Wheeler, A. A., 2*M*. Leominster.
 Wheeler, C. D., 3*M*. Worcester.
 Wheeler, M. S., 1*C*. Felton 36.
 Wheelwright, H. M., 2*C*. W. 11.
 Whicher, J. T., 1*C*. H'y 12.
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 Whipple, G. A., 3*C*.
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 Whitcomb, H., 4*C*. M. 43.
 White, A. M., 4*C*. H'ke 49.
 White, C. G., 2*sC*. 26 Holyoke.
 WHITE, C. J., *Prof.* W. 86.
 White, C. J., 2*M*. 259 Marlboro'*.
 White, E., 4*C*. Little's 25.
 White, F. B., 2*C*. 6 Phillips Pl.
 White, F. R., 1*sC*. 60 Mt. Auburn.
 White, F. W., 1*M*.
 Mass. Inst. of Technology.*
 White, G. R., 4*G*. Exeter, N. H.
 White, H. H., 3*C*. G. 12.
 White, H. K., 1*G*. 17 Shepard.
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 White, S. P., 1*C*. T. 19.

White, V. O., 3*M*.
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 404 Harvard.
 Whiteside, A., 1*C*. H'ke 16.
 Whiteside, G. S., 2*S*. H'ke 16.
 Whitford, E. D., 4*C*. T. 63.
 Whiting, C. A., 1*G*. S. 3.
 Whiting, H. E., 1*sS*. 11 Ware.
 Whiting, J. R., 3*C*. Beck 37.
 Whitman, R. L., 1*C*. 88 Ellery.
 Whitmarsh, J., 4*C*. H'y 7.
 Whitmore, C. E., 3*C*. C. 51.
 Whitmore, Holmes, 1*C*.
 38 North Ave.
 Whitmore, Howard, 1*C*.
 38 North Ave.
 Whitmore, L. G., 4*C*. 36 North Ave.
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 Whitney, H., 2*sS*. 78 Mt. Auburn.
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 Whitney, W. B., 2*C*. T. 22.
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 Whittemore, F. L., 4*C*. 15 Follen.
 Whittemore, J. K., 1*C*. 15 Follen.
 Whittemore, P. W., 1*C*. T. 50.
 Whittier, A. R., 2*C*. T. 53.
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 Wiener, L., 1*sV*. 50 Village.*
 Wiggin, J., 3*C*. W. H. 12.
 Wiggin, W. H., 4*C*. S. 14.
 Wilcomb, C. J., 1*C*. D. H. 1.
 Wilcox, E. V., 4*C*. 46 Mt. Auburn.
 Wilde, A. H., 1*G*. Natick.
 Wilder, D. P., 1*C*. W. 28.
 Wilder, J. A., 3*C*. H'y 3.
 Wilder, R. S., 3*M*.
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 Wildes, F., 1*C*. M. 31.
 Wilgus, J. A., 1*G*.
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 Willard, H. F., 4C. W. H. 42.
 Willets, S. T., 1sC. 30 Irving.
 Williams, A. H., 1G. H'y 15.
 Williams, A. S., 1C. Little's 23.
 Williams, D. G., 1M. 90 Appleton.*
 Williams, E. D., 1M. 68 Chandler.*
 Williams, E. R., 1M. 15 Arlington.*
 Williams, F. B., 3G.
 Berlin, Germany.
 Williams, F. H., 4C. M. 20.
 Williams, F. J., 3C. 11 Hilliard.
 Williams, F. P., 1M. 11 Tremont.*
 Williams, H., 1C. 404 Harvard.
 Williams, H. P., 4C. H. 17.
 Williams, J. H., 1sC. 16 Oxford.
 Williams, L. B., 2C. 42 Bigelow.
 WILLIAMS, M., *Overseer*,
 18 Post Office Sq.*
 Williams, M., 1L. 16 Oxford.
 Williams, P. M., 1Dn.
 177 Falmouth.*
 Williams, S. M., 2C. M. 58.
 Williams, W. F., 2C. M. 55.
 WILLISTON, S., *Asst. Prof.*
 45 Garden.
 WILLMOTT, A. B., *Proctor*
 (also 2G.), Little's 6.
 WILLSON, R. W., *Instr.* 64 Brattle.
 Wilson, C. C., 1sS. C. 34.
 Wilson, F. N., 1M. 83 Dartmouth.*
 Wilson, G. B., 2C. H'ke 19.
 Wilson, G. P., 3C. 1709 Cambridge.
 Wiltbank, M., 2L. 713 Cambridge.
 Wing, W. A., 1sC. 10 Concord Ave.
 Wingate, H. C., 1L. 13 Mellen.
 Winship, G. P., 3C.
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 Winslow, C. G., 1L. 48 Brattle.
 Winslow, E., 1C. 404 Harvard.
 Winslow, F. B., 1C. 5 Linden.
 WINSLOW, K., *Instr.*
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 Winsor, F., 3C. H. 32.
 WINSOR, J., *Librarian.* 74 Sparks.
 Winston, C. A., 1sL. 157 Mt. Auburn.
 Winter, C. A., 2L. 12 Kirkland Pl.
 Winthrop, F. B., 1L. Beck 4.
 Winthrop, R. M., 1C. H'ke 9.
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 WOLFF, J. E., *Instr.* 15 Story.
 Wolff, S. L., 4C. C. 4.
 Wolfe, W. B., 1C. 98 Trowbridge.
 Wolfson, A. M., 2C. 23 Trowbridge.
 Wollaege, G., 1C. 26 Garden.
 Wood, A. B., 2S. M. 34.
 Wood, E. H., 3C. M. 42.
 Wood, E. S., *Prof.* 12 Chauncy.
 Wood, F. H., 1G. 54 Mt. Auburn.
 Wood, H., 4C. M. 22.
 Wood, H. T., 1C.
 27 Green St., Jamaica Plain.
 Wood, R. C., 4C. Beck 44.
 Wood, S. K., 4C. W. 31.
 Woodbury, T., 2L. 35 Mt. Vernon.
 Woodcock, A. H., 1Dn.
 7 Hawthorn St., Worcester.
 Woodman, W. P., 1C. 378 Harvard.
 Woods, A. H., 4C. W. 33.
 Woods, H. R., 1C. W. 20.
 Woods, J. H., 1G. 2 Chestnut.*
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Yost, J. D., 1 <i>sC.</i>	25 Holyoke.	Young, J. F., 1 <i>M.</i>	28 Lynde.*
Young, C. L., 3 <i>C.</i>	13 Kirkland Pl.	Young, J. W., 1 <i>sL.</i>	58 Hammond.
Young, C. O., 3 <i>M.</i>	Quincy.	Young, W. H., 4 <i>C.</i>	T. 9.
Young, F. L., 3 <i>C.</i>	H'ke 39.	Youngman, W. S., 1 <i>sC.</i>	9 Story.

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